



STATE OF ILLINOIS
HEALTH FACILITIES AND SERVICES REVIEW BOARD

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Evaluation of Five Methodologies for Projecting Illinois Long-Term Care bed Need

Prepared for

The Long-Term Care Advisory Subcommittee Data Workgroup

By

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Executive Summary

The objective of this study is to select a methodology that improves allocation of projected beds between the 95 Health Planning Areas (HPAs) in Illinois. To do so, we conducted an evaluation of five different methodologies to access their likelihood of projecting number of beds that cover 100% to 110% actual bed need and correlate with functional disability for the HPAs. The evaluated methodologies include: (1) Current Illinois Methodology (CIM-0) as defined in 77 ILL. Adm. Code Part 1125 Long-Term Care, Section 1125.210; (2) Modified Current Illinois Methodology-1 (CIM-1), which is CIM-0 without the minimum and maximum of 60% and 160% assumption, but use of health planning areas' base use rates as their projected rates; (3) Modified Current Illinois Methodology-2 (CIM-2), which is CIM-0 with replacement of the 60%-160% assumption by 30%-130% assumption (obtained upon several optimization trials) for computing projected use rates; (4) Modified Current Illinois Methodology-3 (CIM-3), which is CIM-0 with replacement of the 60%-160% assumption by 30%-150% assumption (obtained upon several optimization trials) for computing projected use rates and the 90% target occupancy rates by 95% target occupancy rate; and (4) Ohio Methodology Adapted to Illinois data (OMAI), where state flat need rate is used to project beds for each HPA.

For the sake of this evaluation, three categories of HPAs were created: "Undersupplied" category includes HPAs for which Projected Patient Days (PPDs) were lower than Actual Patient Days (APDs); "Appropriately supplied" category regroups HPAs where PPDs were between 100% and 110% of APDs, and "Oversupplied" category includes HPAs where PPDs were higher than 110% of APDs. Eight of 5-years inventories were computed for the period 1995-2018, of which 6 for the years 1995-2000, 1997-2002, 2000-2005, 2002-2007, 2005-2010, and 2008-2013 were used to classify HPAs into the above-mentioned categories. The Mean Algebraic Percentage Error (MALPE) was used as the indicator of bias between projected and actual patient days. Correlation was measured between projected numbers of beds (obtained from the four methodologies) to HPAs' functional disability distribution for the year 2010.

The results show that CIM-3 projected the highest number of HPAs into the category "Appropriately supplied". The average number projected into that category was 26 with a MALPE ranging from 0.65% (2000) to 15.16% (2005). Compared to CIM-0, CIM-3 has improved projection of HPAs into the "Appropriately supplied" group by 100%. However, all the five methodologies were more likely to project HPAs into the "Oversupplied" category, with CIM-1 being the top and CIM-3 being the last. CIM-0, CIM-1, CIM-2, and CIM-3 were sensitive to changes in population data; whereas OMAI did not show any sensitivity. All the five methodology provide allocations of projected beds that are highly correlated with the distribution of functional disability for HPAs. CIM-3 outperformed the other methodologies, but with a moderate improvement on bed need allocation between HPAs. The linear character of all the five methodologies may explain their weak potentiality to reduce the gap between projected and actual patient days and to "appropriately" allocate beds between HPAs.

A more sophisticated model may help reduce more bias between projected and actual values of bed need and increase optimality of bed allocation between the HPAs; however, complications in translating the results into law are to fear.

Introduction

"Everyone is at risk not only of having a family member in need of long term care, but also of needing assistance themselves..." (David F. Durenberger; Chairman, Citizens for Long Term Care to the United States Senate Special Committee on Aging).

The current Illinois bed need methodology has been projecting patient days higher than the statewide need. However, the methodology may have been allocating total projected bed numbers “inappropriately” to the Health Planning Areas (HPAs). Comparison of actual patient days (APDs) to projected patient days (PPDs) shows that APDs of significant number of HPAs are inappropriately below or above the PPDs. From 2000 to 2010, 4% of PPDs were not used at state level; this average increased to 8% over the period 2005-2010. As a result, an estimated number of 22,000 bed licenses are not in use. Yet, some of the HPAs still show need for long-term care beds.

The above-described situation calls for an active review of the current bed need methodology with the objectives to ensure an “appropriate” repartition of long-term care licensed beds throughout the state, increase access to long-term care services, and meet long-term care service needs of the citizens of Illinois.

A measurable definition of “appropriate beds allocation” is necessary to conduct methodological evaluation. The definition used in this report is a projected allocation of beds that satisfy 100%-110% of the needs and yields the highest correlation with prevalence of people in need of long-term care services in health planning areas. When applying the target occupancy rate of 90% in computing projections, the 100%-110% need coverage is ensured. Report on long-term care facility residents from the 2014 Health Facility annual survey shows that the residents are primarily diagnosed with neoplasm (3.09%), mental illness (22.36%), circulatory system disorders (25.03%), digestive system disorders (3.4%), respiratory system disorders (11.8%), musculo-skeletal disorders (11.4%), injuries and poisonings conditions (4.36%) and other medical conditions (18.56%). American Community Survey (ACS) data on County distribution of functional disabilities will be used as proxy of prevalence of people in need of long-term care services. In ACS, functional disability is defined as functional limitations that include one or a combination of the following six health issues: hearing, vision, cognitive, ambulatory, self-care, and independent living difficulties.

In this report, five different methodologies to project long-term care beds have been evaluated on their likelihood to appropriately (in the sense of the aforementioned definition) allocate beds through the state of Illinois for the 95 health planning areas. Mean Algebraic Percentage Error (MALPE) has been used to evaluate precision of each methodology’s projection values in satisfying the goal of 100-110% need coverage. Correlation between functional disability distribution and number of projected beds from each of the four methodologies was accessed, using Pearson coefficient.

1. Methodology

The four methodologies evaluated are defined as followed:

- *Current Illinois Method (CIM-0)*
No change to methodology as described in 77 ILL. Adm. Code Part 1125 Long-Term Care, Section 1125.210
- *Current Illinois Method Modified 1 (CIM-1)*
Health Planning areas' minimum and maximum use rates assumption or 60%-160% was dropped; health planning areas' based use rates are considered as projected use rates
- *Current Illinois Method Modified 2 (CIM-2)*
Health Planning areas' minimum and maximum use rates assumption have been redefined to maximize bed allocations in accordance to actual patient days.
- *Ohio Method Adapted to Illinois (OMAI)*
Statewide flat need rate is used to compute each county's bed need.

1.1. Technical notes on the bed need methodologies

1.1.1. Current Illinois Methodology (CIM-0)

Under the current methodology, four computational steps are taken to produce bed projections (*Section 1125.210 General Long-Term Nursing Care Category of Service*):

Step 1: Base Use Rates for Health Service Areas (HSA) and Health Planning Areas (HPA):

Let's denote

$PD_{j\text{-base}}^i$ = base year experienced nursing care patient days for age group i in area j

$P_{j\text{-base}}^i$ = population of age group i at base year

Where:

i = {(0-64), (65-74), 75-plus)}

j = {HSA, PA}

Base use rates for an area j ($R_{j\text{(base)}}^i$) and for age group i is:

$R_{j\text{-base}}^i = PD_{j\text{-base}}^i / P_{j\text{-base}}^i$

Step 2: Projected use rates for HPA

Adjustment # 1: For each age group, minimum and maximum planning area use rate are 60% and 160% of the HSA experienced use rate of corresponding age group

This means that, for each age group,

- if a planning area use rate does not reach 60% of its HSA, we must assume that its projected use rate is 60% of the HSA's use rate;
- if a planning area use rate is more than 160% of its HSA use rate, we must assume that its projected use rate is 160% of the HSA use rate;
- if a planning area use rate falls between 60% and 160% of its HSA use rate, we must consider this value as its projected use rate.

Therefore,

$$PPD_{HPA} = \begin{cases} \sum_i^3 P_{HPA- Proj i} \times 0.6 \times \frac{PD_{HSA Base i}}{P_{HSA Base i}} \times \frac{1}{0.90} & \text{if } R_{HPA-base}^i < 0.6 \times R_{HSA-base}^i \\ \sum_i^3 P_{HPA- Proj i} \times 1.6 \times \frac{PD_{HSA Base i}}{P_{HSA Base i}} \times \frac{1}{0.90} & \text{if } R_{HPA-base}^i > 1.6 \times R_{HSA-base}^i \\ \sum_i^3 P_{HPA- Proj i} \times \frac{PD_{HPA Base i}}{P_{HPA Base i}} \times \frac{1}{0.90} & \text{if } 0.6 \times R_{HSA-base}^i \leq R_{HPA-base}^i \leq 1.6 \times R_{HSA-base}^i \end{cases}$$

Step 3: Projected Patient Days

Let denote

$P_{PA-proj}^i$ planning area projected population of age group i

$PD_{HPA-proj}^i$ planning area projected patient days for each age group i

$PD_{HPA-proj}$ planning area projected patient days

$ADC_{HPA-proj}$ planning area projected Average Daily Census

$BN_{HPA-proj}$ planning area projected Bed Need

Assumption #1: the projected used rate will not change over the projected years

Therefore, planning area projected Average Daily Census is obtained as followed:

$$PD_{HPA-proj}^i = P_{HPA-proj}^i \times R_{HPA-proj}^i$$

$$PD_{HPA-proj} = \sum PD_{HPA-proj}^i$$

$$ADC_{HPA-proj} = \frac{PD_{HPA-proj}}{\text{Number of days in year}}$$

Adjustment #2: 90% occupancy rate (at 100% use of ADC, additional 10% must be available)

$$BN_{PA-proj} = ADC_{PA-proj} / 0.90$$

Step 4: Projected number of excess (surplus) beds or projected need for additional (deficit) beds: S/D

EB_{PA} : Number of Existing Beds; and $S/D = BN_{PA-proj} - EB_{PA}$

1.1.2. Modified Current Illinois Methodology 1 (CIM-1)

In this methodology, the modification is that projected planning area use rates are not determined by health service areas' minimum and maximum use rates; the base use rates calculated for each planning areas is carried forth as projected use rates. Therefore, the projected patient days formula previously established becomes:

$$PPD_{HPA} = \sum_i^3 P_{HPA-Proj\ i} \times \frac{PD_{HPA\ Base\ i}}{P_{HPA\ Base\ i}} \times \frac{1}{0.90}$$

1.1.3. Modified Current Illinois Methodology 2 (CIM-2)

The modification introduced in CIM-0 to formulate CIM-2 is that the minimum and maximum values (605 and 160%) are changed to parametters α and β , which will be re-estimated with the goal of maximizing patient days allocation between health planning areas on the basis of 100% to 110% need coverage and higher correlation between projection and disability distribution through the state. The formula for projected patient days becomes:

$$PPD_{HPA} = \begin{cases} \sum_i^3 P_{HPA-Proj\ i} \times \alpha \times \frac{PD_{HSA\ Base\ i}}{P_{HSA\ Base\ i}} \times \frac{1}{0.90} & \text{if } R_{HPA-base}^i < \alpha \times R_{HSA-base}^i \\ \sum_i^3 P_{HPA-Proj\ i} \times \beta \times \frac{PD_{HSA\ Base\ i}}{P_{HSA\ Base\ i}} \times \frac{1}{0.90} & \text{if } R_{HPA-base}^i > \beta \times R_{HSA-base}^i \\ \sum_i^3 P_{HPA-Proj\ i} \times \frac{PD_{HPA\ Base\ i}}{P_{HPA\ Base\ i}} \times \frac{1}{0.90} & \text{if } \alpha \times R_{HSA-base}^i \leq R_{HPA-base}^i \leq \beta \times R_{HSA-base}^i \end{cases}$$

1.1.4. Modified Current Illinois Methodology 3 (CIM-3)

CIM-3 is formulated the same way as CIM-2; the only difference is the target occupancy rate is change to 95%. The parameters λ and μ will be estimated the same way as in CIM-2.

$$= \begin{cases} \sum_i^3 P_{HPA-Proj\ i} \times \lambda \times \frac{PD_{HSA\ Base\ i}}{P_{HSA\ Base\ i}} \times \frac{1}{0.95} & \text{if } R_{HPA-base}^i < \lambda \times R_{HSA-base}^i \\ \sum_i^3 P_{HPA-Proj\ i} \times \mu \times \frac{PD_{HSA\ Base\ i}}{P_{HSA\ Base\ i}} \times \frac{1}{0.95} & \text{if } R_{HPA-base}^i > \mu \times R_{HSA-base}^i \\ \sum_i^3 P_{HPA-Proj\ i} \times \frac{PD_{HPA\ Base\ i}}{P_{HPA\ Base\ i}} \times \frac{1}{0.95} & \text{if } \lambda \times R_{HSA-base}^i \leq R_{HPA-base}^i \leq \mu \times R_{HSA-base}^i \end{cases}$$

1.1.5. Ohio Methodology Adapted to Illinois (OMAI)

- **Ohio Methodology**

The Ohio methodology has two components of computation: the state use rate and the county bed need.

- a. **State bed need rate**

Let's denote:

IPD_t = total statewide InPatient Days,

BDA_t = total Bed Days Available,

LB_i = number of Licensed Beds for facility i

CD_i = number of Calendar Days in the reporting year for facility i

BS_t =total Bed Supply

NBO_t =total Number of Beds Occupied

BOR_s = state Bed Occupancy Rate

NBN_t = total statewide Number of Beds Needed

$P_{proj\ s,65+}$ = Projected statewide population aged sixty – five and older

$P_{proj\ c,65+}$ = Projected county population aged sixty – five and older

BNR_s = state Bed Need Rate

$BDA_t = \sum_{i=1}^n LB_i \times CD_i$, where n = total number of long-term care facilities

$$BOR_s = \frac{IPD_t}{BDA_t}$$

$NBO_t = BOR_t \times BS_t$, with $BS_t = \sum_i^n LB_i$

$$NBN_t = \frac{NBO_t}{0.90}$$

$$BNR_s = \frac{NBN_t}{P_{proj\ s,65+}} \times 1000$$

$$\text{Overall, } BNR_s = \frac{\sum_i^n LB_i}{\sum_i^n LB_i \times CD_i} \times \frac{IPD_t}{P_{proj\ s,65+}} \times 1000 \times \frac{1}{0.90}$$

b. County Bed Need

$$NBN_c = \frac{P_{proj\ c,65+}}{1000} \times BNR_s$$

$$BN/E_c = NBN_c - BS_c$$

- **Ohio Methodology Adapted to Illinois data**

The following assumptions have been made to apply Ohio methodology to Illinois data:

- $CD_i = constant = 365 days$
- $IPD_t = IPD_{0-64} + IPD_{64-74} + IPD_{75+}$
- Projection will be computed for health planning areas (HPA) instead of counties (C).

Therefore, $NBN_{HPA} = \sum_{i=1}^3 \frac{P_{HPA\ proj\ i}}{P_{State\ proj\ i}} \times IPD_{State\ i} \times \frac{1}{365} \times \frac{1}{0.90}$, where i is age group

$$PPD_{HPA} = \sum_i^3 \frac{P_{HPA\ proj\ i}}{P_{State\ proj\ i}} \times IPD_{State\ i} \times \frac{1}{0.90}$$

Table 1: Comparative Matrix of Methodologies

Model	Formula	Assumptions	Input Data	Explanation
CIM-0	$PPD_{HPA} = \begin{cases} \sum_i^3 P_{HPA-Proj\ i} \times 0.6 \times \frac{PD_{HSA\ Base\ i}}{P_{HSA\ Base\ i}} \times \frac{1}{0.90} & \text{if } R_{HPA-base}^i < 0.6 \times R_{HSA-base}^i \\ \sum_i^3 P_{HPA-Proj\ i} \times 1.6 \times \frac{PD_{HSA\ Base\ i}}{P_{HSA\ Base\ i}} \times \frac{1}{0.90} & \text{if } R_{HPA-base}^i > 1.6 \times R_{HSA-base}^i \\ \sum_i^3 P_{HPA-Proj\ i} \times \frac{PD_{HPA\ Base\ i}}{P_{HPA\ Base\ i}} \times \frac{1}{0.90} & \text{if } 0.6 \times R_{HSA-base}^i \leq R_{HPA-base}^i \leq 1.6 \times R_{HSA-base}^i \end{cases}$	60% and 60% rule applied to base rates to obtain projected use rates, which remains the same over projection years 90% Occupancy rate	-HPA and HSA base patient days - HPA and HSA base population - HPA projected population	Projected patient days base use rate applied to projected HPA population – predefined minimum and maximum coefficients
CIM-1	$PPD_{HPA} = \sum_i^3 P_{HPA-Proj\ i} \times \frac{PD_{HPA\ Base\ i}}{P_{HPA\ Base\ i}} \times \frac{1}{0.90}$	Base rate remains the same over projection projected	-HPA base patient days -HPA base population -HPA projected population	HPA Base use rate applied to projected HPA population
CIM-2	$PPD_{HPA} = \begin{cases} \sum_i^3 P_{HPA-Proj\ i} \times \alpha \times \frac{PD_{HSA\ Base\ i}}{P_{HSA\ Base\ i}} \times \frac{1}{0.90} & \text{if } R_{HPA-base}^i < \alpha \times R_{HSA-base}^i \\ \sum_i^3 P_{HPA-Proj\ i} \times \beta \times \frac{PD_{HSA\ Base\ i}}{P_{HSA\ Base\ i}} \times \frac{1}{0.90} & \text{if } R_{HPA-base}^i > \beta \times R_{HSA-base}^i \\ \sum_i^3 P_{HPA-Proj\ i} \times \frac{PD_{HPA\ Base\ i}}{P_{HPA\ Base\ i}} \times \frac{1}{0.90} & \text{if } \alpha \times R_{HSA-base}^i \leq R_{HPA-base}^i \leq \beta \times R_{HSA-base}^i \end{cases}$	α and β Base rate to obtain projected use rate, which remains the same over projection years 90% Occupancy rate	-HPA and HSA base patient days - HPA and HSA base population - HPA projected population	Projected patient days base use rate applied to projected HPA population – calculated coefficient that maximize allocation
CIM-3	$PPD_{HPA} = \begin{cases} \sum_i^3 P_{HPA-Proj\ i} \times \lambda \times \frac{PD_{HSA\ Base\ i}}{P_{HSA\ Base\ i}} \times \frac{1}{0.95} & \text{if } R_{HPA-base}^i < \lambda \times R_{HSA-base}^i \\ \sum_i^3 P_{HPA-Proj\ i} \times \mu \times \frac{PD_{HSA\ Base\ i}}{P_{HSA\ Base\ i}} \times \frac{1}{0.95} & \text{if } R_{HPA-base}^i > \mu \times R_{HSA-base}^i \\ \sum_i^3 P_{HPA-Proj\ i} \times \frac{PD_{HPA\ Base\ i}}{P_{HPA\ Base\ i}} \times \frac{1}{0.95} & \text{if } \lambda \times R_{HSA-base}^i \leq R_{HPA-base}^i \leq \mu \times R_{HSA-base}^i \end{cases}$	λ and μ Base rate to obtain projected use rate, which remains the same over projection years 95% Occupancy rate	-HPA and HSA base patient days - HPA and HSA base population - HPA projected population	Projected patient days base use rate applied to projected HPA population – calculated coefficient that maximize allocation
OMAI	$PPD_{HPA} = \sum_i^3 \frac{P_{HPA-proj\ i}}{P_{State-proj\ i}} \times PD_{State\ base\ i} \times \frac{1}{0.90}$	Base patient days remain the same over the projection years 90% Occupancy rate	-Projected HPA population -Projected state population - State base population	Proportion of HPA projected population in total state projected population applied to state base patient days

1.2. Data

1.2.1. Population data

Base-year population estimates and 5-year population projections have been used in computing use rates and projected patient days. Numbers for 1995 to 2010 were obtained from previous published bed inventories; 2013 to 2018 numbers were computed by the Health Facilities and Services Review Board in conjunction with the Illinois Center for Health Statistics at the Department of Public Health. These data, prepared for the 2013-2018 bed inventory computation, were released in February 2015 and posted on both IDPH and HFSRB websites.

1.2.2. Patient days

Actual (or base) patient days were collected through HFSRB annual surveys. These data are published on the HFSRB website with new inventories.

1.2.3. Disability Data

Functional disability data was obtained from American Community Survey 2010 for all the 102 counties and grouped into health planning areas. Health planning areas 6-A, 6-B, 6-C, 7-A, 7-B, 7-C, 7-D, and 7-E were put into one group, due to a complication separating their disability data.

1.2.4. Base years and projection years

The Health Facilities Planning Act (20 ILCS 3960/12.3) requires new inventory and bed need assessment at least every 2 years based on 5-year projections (P.A. 97-1115 of 8/27/2012). Projections computed in this report follow this requirement to allow for comparison with previous publications. Table 2 below provides base years with corresponding projection horizon years.

Table 2: Base and projection horizon years

Base Year (estimates)	Projection Year	Comment
1995	2000	
1997	2002	
2000	2005	Census data used as base
2002	2007	
2005	2010	
2008	2013	
2010	2015	Census data used as base
2013	2018	

1.3. Measurement of projections accuracy

Based on comparison of Actual Patient Days (APD) and Projected Patient Days (PPD), we defined three categories of HPAs:

- **Undersupplied:** HPAs where PPDs are lower than APDs,
- **Appropriately supplied:** HPAs where PPDs are between 100% and 110% of APDs,
- **Oversupplied:** HPAs where PPDs are higher than APDs.

Our objective is to select a methodology that minimizes undersupply and oversupply outcomes, while optimizing appropriately supplied outcome. Therefore, we used a measure of accuracy called Mean Algebraic Percentage Error (MALPE) to evaluate the bias of each of the above-defined methodology's projections against actual values. MALPE is a dimensionless coefficient; its absolute value provides a measure of precision in results computed by different methodologies, compared to expected values. It provides magnitude and direction of error. When projected values equal expected values, MALPE is null; the more MALPE moves away (positively and negatively) from the null value, the higher is the committed error. Negative value means overall, projected values are lower than actual values, and positive values means the opposite. In this study, a value of MALPE falling between 0% and 10% is desired as our objective is that the projections cover 100% to 110% of the needs. This analysis can only be conducted for projection years up to 2013, as actual patient days are not yet available for subsequent years. This analysis has the merit to reveal the methodologies that performed better on historical data in projecting most of HPAs into the "appropriately supplied" group. The methodology that outperformed all the others should be recommended for future projections.

$$MALPE = \left(\sum \frac{P_i - A_i}{A_i} \right) * 100/n$$

1.4. Measurement of correlation between projected patient days and disability rates

We normalized the number of disabled people for the HPAs by dividing the disability count of each HPA by the 2010 total estimated population of Illinois and multiplied each result by 1,000. We then measured the correlation between the normalized numbers, called number of disability per 1,000 populations, and the number of projected beds from each of the five methodologies, using Pearson coefficient. Significance of 2-tailed correlation was accepted at 0.001 confidence level.

2. Results

2.1. Minimum and Maximum for Current Illinois Methodology modified – 2 (CIM-2)

The minimum values were selected from 0.1 to 0.95 with 0.05 increment and maximum values were selected from 1.1 to 1.95 with 0.05 increment. Combinations of these numbers were used in the CIM-0 formula for 6 inventories to find the combinations that project the highest number of HPAs into the category “Appropriately supplied”. Upon 1944 trials, combinations of the maximum of 1.30 and 0.10 to 0.30 (modulo 0.05) minimum yielded the best outcomes. The full report of all the trials is presented in appendix A 14. Table 3 provides the top 5 combinations of minimums and maximums that yielded the highest number of HPAs in “Appropriately supplied” group. For the comparative analysis of methodology, the minimum and maximum of 30% - 130% have been selected for the final formulation of CIM-2.

Table 3: Top 5 minimum-maximum combinations projecting highest number of HPAs into “Appropriately Supplied” Category for CIM-2

Min-Max	Projection Period						Average	SD
	1995-2000	1997-2002	2000-2005	2002-2007	2005-2010	2008-2013		
0.15-1.30	27	20	10	10	26	18	19	7.42
0.25-1.30	27	20	10	10	26	18	19	7.42
0.20-1.30	27	20	10	10	26	18	19	7.42
0.30-1.30	27	20	10	9	26	18	18	7.66
0.10-1.30	27	20	10	10	25	18	18	7.23

SD = Standard Deviation

2.2. Minimum and Maximum for Current Illinois Methodology modified – 3 (CIM-3)

The above-described process for CIM-2 was used to find the combination of minimum and maximum that yields the highest number of HPAs into the category “Appropriately supplied”. Upon 1944 trials, the combination 0.3-1.5 yielded the best outcome. The full report of all the trials is presented in appendix table A 15. Table 4 provides the top 5 combinations of minimums and maximums that yielded the highest number of HPAs in “Appropriately supplied” group. For the comparative analysis of methodology, the minimum and maximum of 30% - 150% have been selected for the final formulation of CIM-3.

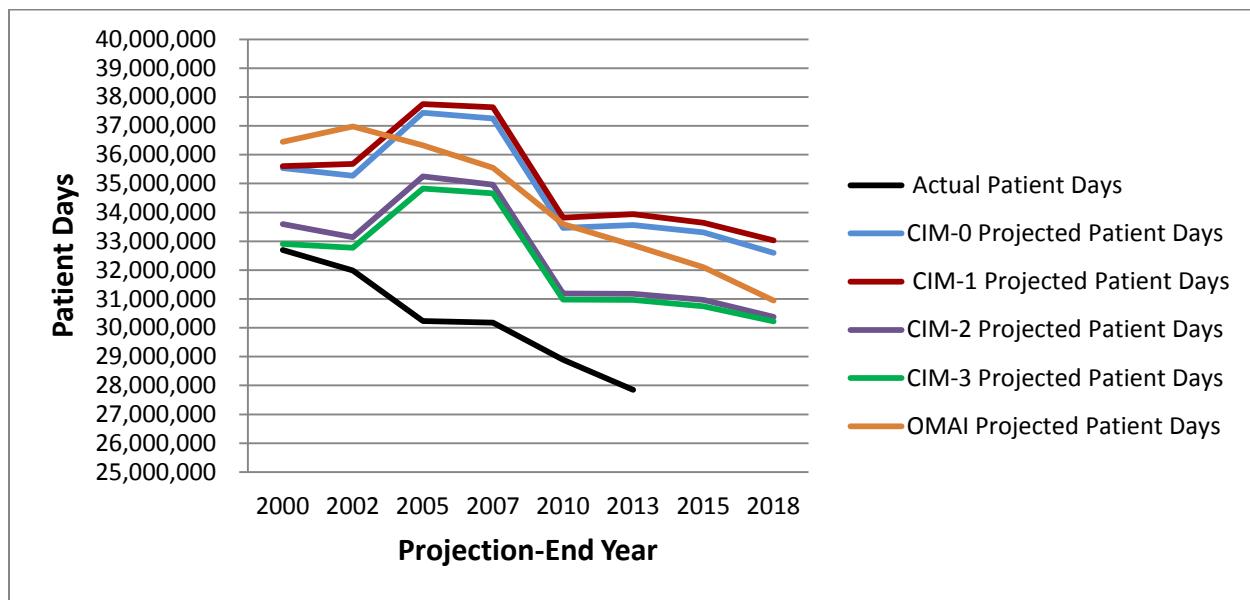
Table 4: Top 5 minimum-maximum combinations projecting highest number of HPAs into “Appropriately Supplied” Category for CIM-3

Min-Max	Projection Period						Average	SD
	1995-2000	1997-2002	2000-2005	2002-2007	2005-2010	2008-2013		
0.30-1.50	36	26	18	14	30	30	26	8.24
0.35-1.50	37	26	18	13	32	29	26	8.93
0.30-1.55	38	27	15	14	32	29	26	9.54
0.10-1.50	35	26	18	15	31	29	26	7.74
0.30-1.70	37	26	16	14	32	29	26	9.05

2.3. Total Patient Days

Figure 1 shows total actual and projected patients days (for all the five methodologies) from 2000 to 2018. Analysis of this figure reveals that actual patient days have been decreasing. All the projections obtained from the four methodologies remain higher than the actual patient days. From 2005, the Modified Current Illinois Methodology (CIM-1) projected the highest number of patient days. The lowest numbers of days were projected by the Modified Current Illinois Methodology-3 (CIM-3) (figure 1).

Figure 1: State Total Patient Days: Actual 2000 - 2013 and Projected 2000 - 2018



2.4. Comparison of the four methodology, using MALPE

From the 6 inventories (2000 to 2013) for which MALPE can be computed, the CIM-3 has the lowest MALPE for the overall projections; the values ranged from 0.65% (2000) to 15.16% (2005) (tables A1-3).

The analysis by category of HPAs shows that CIM-3 has the highest likelihood of projecting HPAs into the “appropriately supplied”. On average, CIM-3 provided “appropriate projection” for 27%, under-projection for 15% and over-projection for 55% of the HPAs. CIM-2 allocated 20% of HPAs to “Appropriately supplied” category, 65% of HPAs were put into “Oversupplied” category, and 15% of HPAs went into “Undersupplied” category. CIM-1 projected 15% of HPAs into the “Appropriately supplied” category, 80% of HPAs went into “Oversupplied” category, and 5% of HPAs were into “Undersupplied” category. CIM-0 allocated 14% of HPAs to “Appropriately supplied” category, 78% of HPAs were assigned to “Oversupplied” category, and 8% of HPAs were included into “Undersupplied” category. OMAI allocated 12% of HPAs to “Appropriately supplied” category, 51% of HPAs were assigned to “Oversupplied” category, and 38% went into “Undersupplied” category.

(table 4). These results show that all the five methodologies are more likely to over-project number patient days.

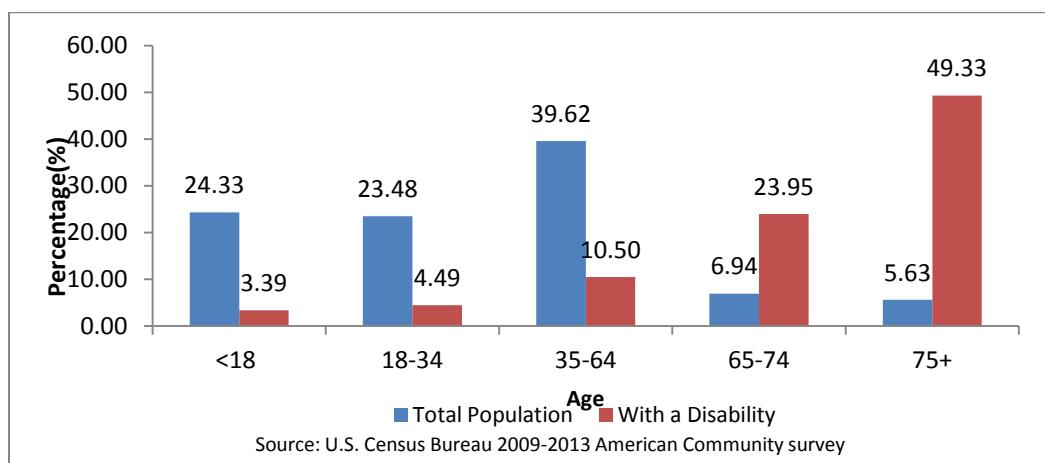
Table 4: Number of HPAs by category of projected patient days and by methodology

Methodology	Average Number of HPAs		
	Appropriately Supplied	Undersupplied	Oversupplied
CIM-0	13 (13.7%)	8 (8.4%)	74 (77.9%)
CIM-1	14 (14.7%)	5 (5.3%)	76 (80.0%)
CIM-2	19 (20.0%)	14 (14.7%)	62 (65.3%)
CIM-3	26 (27.4%)	18 (18.9%)	51 (53.7%)
OMAI	11 (11.6%)	36 (37.9%)	48 (50.5%)

2.5. County Disability and bed distribution

Over the period 2009-20013, nearly 11% of Illinois population experiences some functional disabilities; most of the disabled citizens were 65 years and older (figure 2).

Figure 2: Percent of Total Population and Percent of Population with Functional Disability by Age in Illinois: 2009-2013



Strong and positive corrections are found between health planning areas' disability rates and their projected beds for all the four methodologies (table 5).

Table 5: Projected beds and disability rate correlation matrix

		Correlations					
		Number of Disable per 1,000 population	CIM0_Project Beds	CIM1_Project Beds	CIM2_Project Beds	CIM3_Project Beds	OMAI_Project Beds
Number of Disable per 1,000 population	Pearson Correlation	1	.999**	.998**	.999**	.998**	1.000**
	Sig. (2-tailed)		.000	.000	.000	.000	.000
	N	88	88	88	88	88	88

3. Discussions and Limitations

Analysis of total patient days revealed a continuous decrease in actual patient days. The decrease between 2000 and 2013 reached 14.8%. Yearly reduction in patient days averages 968,746 days, which is an equivalent of 2,654 licensed beds not used every year.

Unusual shifts (spikes) observed for 2005 and 2007 may have been caused by changes in population estimates before and after the 2000 census. Population estimates computed (using the 2000 census numbers) were 2% higher than the population estimates computed before the census.

CIM-3 outperformed any other methodology in increasing number of HPAs with appropriate supply of beds to 26, doubling the number of HPAs projected by CIM-0 into the same category. The improvement introduced by CIM-3 over CIM-0 is 100%. This improvement may be considered moderate as the projections for nearly 82% of the HPAs are still inappropriate. A reason for the moderate improvement provided by CIM-3 can be explained by its linear nature; actual patient days' trends vary widely from a linear trend. More sophisticated models may produce projected values with less bias; however, such models may be difficult to be interpreted into law and complicated to compute.

Conclusion

Five different methodologies were evaluated on their likelihood of projecting number of beds that provide 100 – 110% patient days need coverage for Illinois Health Planning Areas (HPAs). The Modified Current Illinois Methodology-3 (CIM-3), which differs from the Current Illinois Methodology (CIM-0) with the assumptions that HPAs projected use rates should be between 30% and 150% of their corresponding health service areas' use rates and target occupancy rate should be 95%, outperformed any other methodologies by increasing the number of HPAs with appropriate projection of patient days by 100% over CIM-0. Due to linear modeling nature of the formula of all the five evaluated methodologies, none of them provide significant improvement of the allocation of beds between counties. However, the CIM-3 has performed better on this evaluation. Each methodology provides bed projections highly correlated with disability distribution among health planning areas. Illinois current and modified methodologies (CIM-0, CIM-1, CIM-2, and CIM-3) are significantly sensitive to changes in population estimates and projections. More sophisticated modeling may produce projections with less bias and better allocation of beds between health planning areas. However, such models may be difficult to be translated into law and to be implemented.

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4. Appendix

Table A1: Category of HPA and Mean Algebraic Percentage Error (MALPE) between projected and actual patient days for 2008-2013 and 2005-2010

Category of HPA	Methodology	2008-2013				2005-2010			
		Number of HPAs	PPD	APD	MALPE	Number of HPAs	PPD	APD	MALPE
All	CIM-0	95	33,559,664	27,848,049	20.51%	95	33,458,958	28,892,766	15.80%
	CIM-1	95	33,941,860	27,848,049	21.88%	95	33,819,458	28,892,766	17.05%
	CIM-2	95	31,757,891	27,848,049	14.04%	95	31,830,066	28,892,766	10.17%
	CIM-3	95	30,971,639	27,848,049	11.22%	95	30,974,403	28,892,766	7.20%
	OMAI	95	32,867,241	27,848,049	18.02%	95	33,596,050	28,892,766	16.28%
Appropriate supply	CIM-0	14	2,406,060	2,265,768	6.19%	14	4,321,311	4,096,238	5.49%
	CIM-1	13	1,816,053	1,698,297	6.93%	14	6,032,861	5,682,458	6.17%
	CIM-2	18	7,545,619	7,091,148	6.41%	26	10,652,945	10,232,819	4.11%
	CIM-3	30	8,395,530	7,988,250	5.10%	30	10,336,547	9,885,987	4.56%
	OMAI	8	3,151,308	3,109,984	1.33%	5	3,115,393	3,104,155	0.36%
Undersupply	CIM-0	6	2,498,471	2,664,514	-6.23%	6	2,835,642	3,072,405	-7.71%
	CIM-1	3	173,924	193,037	-9.90%	4	331,326	341,247	-2.91%
	CIM-2	13	2,986,415	3,664,908	-18.51%	12	2,844,331	3,597,052	-20.93%
	CIM-3	13	3,252,948	3,735,006	-12.91%	18	5,761,502	6,340,009	-9.12%
	OMAI	42	8,197,276	10,473,173	-21.73%	41	8,377,404	10,718,233	-21.84%
Oversupply	CIM-0	75	28,655,133	22,917,767	25.03%	75	26,302,004	21,724,123	21.07%
	CIM-1	79	31,951,883	25,956,715	23.10%	77	27,455,271	22,869,061	20.05%
	CIM-2	64	21,225,857	17,091,993	24.19%	57	18,332,790	15,062,895	21.71%
	CIM-3	52	19,323,160	16,124,693	19.84%	47	14,876,354	12,666,770	17.44%
	OMAI	45	21,518,658	14,264,892	50.85%	49	22,103,253	15,070,378	46.67%

Table A2: Category of HPA and Mean Algebraic Percentage Error (MALPE) between projected and actual patient days for 2002-2007 and 2000-2005

Category of HPA	Methodology	2002-2007			2000-2005				
		Number of HPAs	PPD	APD	MALPE	Number of HPAs	PPD	APD	MALPE
All	CIM-0	95	37,258,315	30,181,429	23.45%	95	37,452,425	30,236,445	23.87%
	CIM-1	95	37,647,526	30,181,429	24.74%	95	37,751,216	30,236,445	24.85%
	CIM-2	95	35,754,413	30,181,429	18.46%	95	35,894,768	30,236,445	18.71%
	CIM-3	95	34,659,077	30,181,429	14.84%	95	34,821,203	30,236,445	15.16%
	OMAI	95	35,541,972	30,181,429	17.76%	95	36,324,201	30,236,445	20.13%
Appropriate supply	CIM-0	5	760,574	726,327	4.72%	6	939,715	878,206	7.00%
	CIM-1	7	759,692	728,025	4.35%	3	419,137	393,670	6.47%
	CIM-2	9	2,033,823	1,929,686	5.40%	10	2,639,123	2,498,885	5.61%
	CIM-3	14	4,480,804	4,162,168	7.66%	18	6,989,994	6,555,766	6.62%
	OMAI	9	5,583,921	5,297,278	5.41%	12	5,012,784	4,748,433	5.57%
Undersupply	CIM-0	5	3,595,532	3,706,966	-3.01%	4	2,597,354	2,633,085	-1.36%
	CIM-1	3	1,241,486	1,282,704	-3.21%	2	196,021	210,837	-7.03%
	CIM-2	7	3,352,356	3,942,779	-14.97%	6	2,389,380	2,864,917	-16.60%
	CIM-3	9	3,757,405	4,195,908	-10.45%	7	2,705,076	3,000,607	-9.85%
	OMAI	37	7,895,833	9,936,625	-20.54%	36	7,942,807	9,880,221	-19.61%
Oversupply	CIM-0	85	32,902,209	25,748,136	27.78%	85	33,915,355	26,725,154	26.90%
	CIM-1	85	35,646,347	28,170,700	26.54%	90	37,136,057	29,631,938	25.32%
	CIM-2	79	30,368,234	24,308,964	24.93%	79	30,866,265	24,872,643	24.10%
	CIM-3	72	26,420,868	21,823,353	21.07%	70	25,126,133	20,680,072	21.50%
	OMAI	49	22,062,218	14,947,526	47.60%	47	23,368,610	15,607,791	49.72%

Table A3: Category of HPA and Mean Algebraic Percentage Error (MALPE) between projected and actual patient days for 2002 and 2000

Category of HPA	Methodology	1997-2002				1995-2000			
		Number of HPAs	PPD	APD	MALPE	Number of HPAs	PPD	APD	MALPE
All	CIM-0	95	35,271,129	31,987,775	10.26%	95	35,541,288	32,691,781	8.72%
	CIM-1	95	35,684,785	31,987,775	11.56%	95	35,599,125	32,691,781	8.89%
	CIM-2	95	33,820,519	31,987,775	5.73%	95	34,073,320	32,691,781	4.23%
	CIM-3	95	32,774,213	31,987,775	2.46%	95	32,905,043	32,691,781	0.65%
	OMAI	95	36,977,229	31,987,775	15.60%	95	36,450,461	32,691,781	11.50%
Appropriate supply	CIM-0	21	9,045,806	8,513,170	6.26%	19	5,137,447	4,825,802	6.46%
	CIM-1	23	12,342,605	11,827,913	4.35%	24	11,607,949	10,871,230	6.78%
	CIM-2	21	6,934,444	6,532,370	6.16%	27	9,747,836	9,226,178	5.65%
	CIM-3	26	9,749,707	9,240,578	5.51%	36	11,362,796	10,744,524	5.75%
	OMAI	21	11,572,257	8,513,170	35.93%	11	3,625,572	3,431,922	5.64%
Undersupply	CIM-0	14	8,786,108	9,039,702	-2.81%	12	9,485,613	10,107,250	-6.15%
	CIM-1	9	3,086,382	3,135,218	-1.56%	11	7,298,604	7,799,647	-6.42%
	CIM-2	24	11,996,385	13,019,039	-7.86%	19	10,437,658	11,711,783	-10.88%
	CIM-3	31	13,811,873	14,942,347	-7.57%	28	13,931,455	15,424,996	-9.68
	OMAI	14	7,867,134	9,039,702	-12.97%	44	13,796,101	16,408,640	-15.92%
Oversupply	CIM-0	60	17,439,215	14,434,903	20.81%	64	20,918,228	17,758,729	17.79%
	CIM-1	63	20,255,798	17,024,644	18.98%	60	16,692,572	14,020,904	19.05%
	CIM-2	50	14,889,691	12,436,366	19.73%	49	13,887,827	11,753,820	18.16%
	CIM-3	38	9,212,634	7,804,850	18.04%	31	7,610,792	6,522,261	16.69%
	OMAI	60	17,537,838	14,434,903	21.50%	40	19,028,788	12,851,219	48.07%

Table A4: Summary of Beds and Need by Health Service Areas, 2000-2018

Projection Year/Health Service Area (HSA)	Existing Beds	Additional Beds Needed					Excess Beds				
		CIM-0	CIM-1	CIM-2	CIM-3	OMAI	CIM-0	CIM-1	CIM-2	CIM-3	OMAI
2018											
HSA1	6,074	128	73	73	48	180	684	612	776	959	1,170
HSA2	7,937	11	28	0	0	0	992	1,060	1,353	1,524	2,808
HSA3	7,119	11	0	1	0	149	1,379	1,325	1,614	1,729	2,862
HSA4	8,180	17	17	4	6	271	1,436	1,307	1,709	1,901	2,734
HSA5	6,952	79	61	60	48	128	1,081	1,127	1,325	1,463	2,166
HSA6	16,163	0	0	0	0	2,330	2,805	1,465	3,786	3,818	3,966
HSA7	28,079	605	50	121	0	1,326	2,309	1,979	3,223	3,821	5,387
HSA8	8,724	136	17	28	0	964	837	837	873	1,125	264
HSA9	4,608	329	241	247	100	1,744	323	95	470	415	571
HSA10	1,886	0	0	0	0	0	206	198	226	300	199
HSA11	5,070	52	38	37	23	9	790	817	901	538	991
2015											
HSA1	6,072	61	29	35	19	136	772	752	961	1,112	1,148
HSA2	7,905	1	12	0	0	4	654	684	1,030	1,230	2,308
HSA3	7,099	68	68	60	59	241	889	944	1,351	1,411	2,464
HSA4	8,230	6	8	6	0	275	1,225	1,065	1,504	1,726	2,363
HSA5	7,279	20	4	4	1	118	1,248	1,157	1,521	1,645	2,168
HSA6	16,163	0	0	0	0	3,229	1,661	555	2,720	2,759	3,599
HSA7	28,175	435	0	16	0	1,239	2,078	1,964	3,292	3,911	4,777
HSA8	8,674	37	0	0	0	747	1,186	1,280	1,267	1,662	540
HSA9	4,658	96	4	41	29	1,333	429	209	650	720	554
HSA10	2,014	0	0	0	0	0	215	222	229	315	204
HSA11	5,089	104	94	37	58	11	660	660	668	406	702
2013											
HSA1	6,171	16	0	0	0	130	768	774	939	1,140	1,047
HSA2	8,146	11	5	5	0	6	993	1,013	1,312	1,515	2,419
HSA3	7,364	35	77	3	0	241	1,166	1,261	1,494	1,591	2,707
HSA4	8,203	71	71	0	0	328	1,141	934	1,340	1,577	2,216
HSA5	7,474	7	21	0	0	70	1,449	1,378	1,759	1,907	2,277
HSA6	16,517	0	0	0	0	3,186	2,024	979	3,093	3,124	3,548
HSA7	28,308	487	0	9	0	1,740	2,284	1,967	3,651	4,140	4,470
HSA8	8,850	175	5	65	7	750	429	429	433	818	473
HSA9	4,628	50	0	0	0	1,258	603	436	838	912	547
HSA10	2,030	11	4	0	0	0	286	278	329	388	179
HSA11	5,223	43	77	0	0	0	734	245	798	956	694

Table A4: Summary of Beds and Need by Health Service Areas, 2000-2018 (continued)

Projection Year/Health Service Area (HSA)	Existing Beds	Additional Beds Needed					Excess Beds				
		CIM-0	CIM-1	CIM-2	CIM-3	OMAI	CIM-0	CIM-1	CIM-2	CIM-3	OMAI
2010											
HSA1	6,103	55	20	24	3	143	551	527	642	899	797
HSA2	8,510	0	0	0	0	0	1,048	1,054	1,333	1,543	2,507
HSA3	7,846	0	0	0	0	223	1,176	1,212	1,540	1,630	2,921
HSA4	8,616	52	16	16	0	200	1,396	1,209	1,606	1,840	2,294
HSA5	7,903	2	2	0	0	44	1,854	1,781	2,615	2,335	2,387
HSA6	17,323	0	0	0	0	2,974	3,366	2,474	4,408	4,431	3,810
HSA7	29,463	280	0	0	0	1,745	3,788	3,614	5,095	5,647	5,431
HSA8	8,549	142	0	13	0	1,087	549	586	549	958	610
HSA9	4,449	77	0	26	15	1,486	482	255	706	763	506
HSA10	2,016	0	0	0	0	4	237	238	270	344	85
HSA11	5,431	53	115	0	7	0	754	734	769	983	723
2007											
HSA1	6,181	115	84	79	38	129	633	262	386	636	729
HSA2	8,570	194	158	109	35	0	492	505	718	917	2,122
HSA3	7,830	137	112	78	61	325	614	465	788	1,009	2,651
HSA4	8,626	84	77	45	5	230	559	417	732	991	1,963
HSA5	85,590	202	189	99	47	67	730	735	980	1,161	2,099
HSA6	18,156	0	0	0	0	3,318	2,727	1,838	3,843	3,861	3,973
HSA7	29,332	666	27	202	30	2,903	1,633	1,107	2,401	3,201	4,088
HSA8	8,368	62	24	0	0	787	63	146	168	532	614
HSA9	4,578	264	279	232	86	1,206	206	41	409	336	637
HSA10	1,996	20	20	16	8	90	131	131	131	219	36
HSA11	5,852	9	23	0	0	0	233	252	394	585	912
2005											
HSA1	6,317	125	125	82	16	133	239	198	266	512	732
HSA2	8,734	196	162	59	53	0	613	600	814	1,022	1,987
HSA3	8,110	67	69	48	16	155	850	787	1,061	1,243	2,512
HSA4	8,758	128	162	79	53	228	737	1,622	915	1,160	1,974
HSA5	8,692	34	58	32	0	98	1,041	1,055	1,314	1,490	2,312
HSA6	18,373	0	0	0	0	3,801	2,876	2,613	4,162	4,163	3,538
HSA7	29,581	1,019	329	469	0	2,974	2,357	1,815	3,093	3,526	4,402
HSA8	8,467	66	41	41	0	725	109	221	265	598	759
HSA9	4,539	612	535	560	373	1,411	262	18	382	351	649
HSA10	2,084	8	7	0	0	163	186	186	205	280	105
HSA11	6,294	0	11	0	0	0	325	165	500	712	1,151

Table A4: Summary of Beds and Need by Health Service Areas, 2000-2018 (continued)

Projection Year/Health Service Area (HSA)	Existing Beds	Additional Beds Needed					Excess Beds				
		CIM-0	CIM-1	CIM-2	CIM-3	OMAI	CIM-0	CIM-1	CIM-2	CIM-3	OMAI
2002											
HSA1	6,407	26	18	18	9	93	468	392	541	806	626
HSA2	8,883	37	56	4	0	9	764	719	1,039	1,288	1,574
HSA3	8,333	14	14	0	0	282	1,038	947	1,390	1,526	2,361
HSA4	9,091	227	185	173	0	214	735	640	990	1,087	1,683
HSA5	9,222	17	1	1	0	115	1,473	1,341	1,857	2,023	2,449
HSA6	18,759	0	0	0	0	4,726	3,434	2,770	4,567	4,660	2,386
HSA7	29,931	0	0	0	0	1,949	5,226	5,386	6,279	7,137	5,512
HSA8	8,402	0	0	0	0	537	1,048	1,103	1,159	1,487	1,130
HSA9	4,509	45	3	3	0	562	534	247	610	764	578
HSA10	2,124	0	0	0	0	208	351	352	364	446	45
HSA11	6,533	0	0	0	0	0	855	806	938	1,186	1,238
2000											
HSA1	6,145	63	40	48	19	101	403	348	448	725	729
HSA2	8,857	59	57	33	13	5	543	554	792	1,056	1,489
HSA3	8,439	38	47	0	11	354	848	864	1,236	1,352	2,414
HSA4	9,304	38	62	38	0	214	787	709	982	1,276	1,930
HSA5	9,254	24	46	14	6	139	1,284	1,256	1,567	1,791	2,338
HSA6	18,717	0	0	0	0	5,794	2,559	2,255	3,755	3,962	1,796
HSA7	29,840	0	0	0	0	1,266	6,163	6,510	7,311	8,265	6,992
HSA8	8,437	0	0	0	0	285	1,307	1,411	1,502	1,792	1,637
HSA9	4,471	39	0	10	1	140	447	312	536	703	483
HSA10	2,142	0	0	0	0	241	196	196	209	299	33
HSA11	6,524	0	33	0	0	0	751	737	833	1,077	1,235

Table A5: Existing, Projected, Need, and Excess beds by Health Services and Health Planning Areas: 2018

Projection Horizon/HSA/ HPA	Existing Beds (projection year)	Current Illinois Methodology (60% - 160%; 90%) (CIM-0)		Modified Illinois Current Methodology-1 (base rate used, 90%) (CIM-1)		Modified Illinois Current Methodology-2 (30%- 130%; 90%) (CIM-2)		Modified Illinois Current Methodology-3 (30%- 150%; 95%) (CIM-3)		Ohio Methodology Adapted to Illinois data (State flat rate, 90%) (OMAI)	
		Projected	Need / excess (-)	Projected	Need / excess (-)	Projected	Need / excess (-)	Projected	Need / excess (-)	Projected	Need / excess (-)
2018	100,792	89,317	-11,475	90,494	-10,298	92,039	-20,361	82,809	-17,983	84,773	-16,019
HSA1	6,074	5,518	-556	5,535	-539	6,017	-398	5,163	-911	5,083	-991
Boone	279	361	82	346	67	321	-28	327	48	380	101
Carroll	155	130	-25	129	-26	269	-1	122	-33	148	-7
DeKalb	742	767	25	740	-2	604	-129	701	-41	590	-152
Jo Daviess	155	177	22	161	6	199	41	152	-3	234	79
Lee	342	274	-68	272	-70	419	-46	258	-84	267	-75
Ogle	565	537	-28	537	-28	513	-63	508	-57	421	-144
Stephenson	637	579	-58	577	-60	602	22	547	-90	441	-196
Whiteside	857	595	-262	675	-182	731	-116	559	-298	485	-372
Winnebago	2,342	2,099	-243	2,099	-243	2,358	-79	1,988	-354	2,118	-224
HSA2	7,937	6,956	-981	6,905	-1,032	7,924	-933	6,413	-1,524	5,129	-2,808
Fulton	603	455	-148	455	-148	577	-153	431	-172	281	-322
Knox	950	739	-211	739	-211	871	-242	700	-250	441	-509
LaSalle	1,391	1,223	-168	1,177	-214	1,340	-49	1,116	-275	877	-514
McDonough	360	341	-19	341	-19	398	-17	323	-37	223	-137
Peoria	1,765	1,618	-147	1,635	-130	1,796	-152	1,504	-261	1,248	-517
Tazewell	1,256	1,128	-128	1,090	-166	1,310	-104	1,033	-223	1,050	-206
Woodford	590	593	3	618	28	462	-134	530	-60	296	-294
Bureau/Putnam	377	385	8	363	-14	459	-49	346	-31	363	-14
Henderson/Warren	218	168	-50	154	-64	376	40	146	-72	195	-23
Marshall/Stark	427	306	-121	332	-95	334	-74	284	-143	155	-272

Table A5: Existing, Projected, Need, and Excess beds by Health Services and Health Planning Areas: 2018 (continued)

Projection Horizon/HSA/ HPA	Existing Beds (projection year)	Current Illinois Methodology (60% - 160%; 90%) (CIM-0)		Modified Illinois Current Methodology-1 (base rate used, 90%) (CIM-1)		Modified Illinois Current Methodology-2 (30% 130%; 90%) (CIM-2)		Modified Illinois Current Methodology-3 (30% 150%; 95%) (CIM-3)		Ohio Methodology Adapted to Illinois data (State flat rate, 90%) (OMAI)	
		Projected	Need / excess (-)	Projected	Need / excess (-)	Projected	Need / excess (-)	Projected	Need / excess (-)	Projected	Need / excess (-)
HSA3	7,119	5,750	-1,369	5,793	-1,326	6,938	-1,501	5,390	-1,729	4,406	-2,713
Adams	1,499	1,078	-421	1,088	-411	1,171	-449	993	-506	526	-973
Cass	150	153	3	145	-5	215	-67	141	-9	102	-48
Christian	472	373	-99	373	-99	502	-68	353	-119	274	-198
Greene	119	115	-4	115	-4	155	-11	109	-10	109	-10
Hancock	184	150	-34	146	-38	229	-16	138	-46	175	-9
Jersey	369	323	-46	323	-46	278	-45	306	-63	178	-191
Logan	468	384	-84	385	-83	471	-46	361	-107	225	-243
Macoupin	744	524	-220	524	-220	763	-84	496	-248	335	-409
Mason	164	120	-44	117	-47	151	-13	111	-53	111	-53
Menard	106	114	8	106	-0	155	-37	101	-5	98	-8
Montgomery	490	379	-111	428	-62	504	-186	353	-137	245	-245
Sangamon	1,270	1,162	-108	1,162	-108	1,360	-130	1,101	-169	1,419	149
Brown/Schuylerville	186	147	-39	147	-39	184	-32	139	-47	112	-74
Calhoun/Pike	337	264	-73	264	-73	229	-138	250	-87	180	-157
Morgan/Scott	561	466	-95	471	-90	569	-181	438	-123	318	-243
HSA4	8,180	6,761	-1,419	6,890	-1,290	8,279	-1,025	6,285	-1,895	5,717	-2,463
Champaign	908	888	-20	865	-43	1,096	-55	820	-88	1,179	271
Clark	245	224	-21	224	-21	260	-33	212	-33	135	-110
Dewitt	190	207	17	207	17	206	-17	196	6	130	-60
Douglas	233	201	-32	201	-32	260	-57	189	-44	157	-76
Edgar	299	271	-28	271	-28	268	-21	255	-44	160	-139
Ford	434	230	-204	353	-81	278	-122	205	-229	115	-319
Iroquois	486	406	-80	406	-80	526	-50	385	-101	257	-229
Livingston	518	443	-75	443	-75	522	-78	420	-98	291	-227
Macon	1,253	1,045	-208	1,109	-144	1,373	-27	980	-273	820	-433
McLean	1,136	1,012	-124	971	-165	1,142	-139	920	-216	975	-161

Table A5: Existing, Projected, Need, and Excess beds by Health Services and Health Planning Areas: 2018 (continued)

Projection Horizon/HSA/ HPA	Existing Beds (projection year)	Current Illinois Methodology (60% - 160%; 90%) (CIM-0)		Modified Illinois Current Methodology-1 (base rate used, 90%) (CIM-1)		Modified Illinois Current Methodology-2 (30% 130%; 90%) (CIM-2)		Modified Illinois Current Methodology-3 (30% 150%; 95%) (CIM-3)		Ohio Methodology Adapted to Illinois data (State flat rate, 90%) (OMAI)	
		Projected	Need / excess (-)	Projected	Need / excess (-)	Projected	Need / excess (-)	Projected	Need / excess (-)	Projected	Need / excess (-)
Moultrie	361	236	-125	251	-110	258	-239	212	-149	119	-242
Piatt	160	151	-9	146	-14	153	-7	138	-22	125	-35
Shelby	259	175	-84	163	-96	268	-32	155	-104	189	-70
Vermilion	759	598	-161	598	-161	841	38	566	-193	611	-148
Coles/Cumberland	939	674	-265	682	-257	829	-185	632	-307	456	-483
HSA5	6,952	5,950	-1,002	5,885	-1,067	7,491	-1,763	5,537	-1,415	4,914	-2,038
Bond	90	117	27	117	27	207	-51	111	21	127	37
Clay	209	126	-83	127	-82	166	-43	119	-90	104	-105
Crawford	166	158	-8	140	-26	210	-35	138	-28	157	-9
Effingham	434	356	-78	356	-78	358	-145	337	-97	254	-180
Fayette	261	187	-74	187	-74	273	-74	177	-84	175	-86
Franklin	390	328	-62	333	-57	414	-107	308	-82	335	-55
Jackson	369	288	-81	272	-97	489	-27	258	-111	373	4
Jasper	57	59	2	41	-16	88	-4	39	-18	80	23
Jefferson	336	300	-36	300	-36	396	-28	284	-52	300	-36
Lawrence	340	223	-117	226	-114	289	-260	199	-141	123	-217
Marion	509	455	-54	455	-54	579	-89	431	-78	323	-186
Perry	210	155	-55	155	-55	216	-53	147	-63	164	-46
Randolph	490	398	-92	398	-92	472	-139	377	-113	252	-238
Richland	309	244	-65	244	-65	223	-84	231	-78	146	-163
Union	293	277	-16	281	-12	217	-76	258	-35	153	-140
Washington	263	172	-91	167	-96	232	-25	159	-104	119	-144
Wayne	169	155	-14	155	-14	140	-29	146	-23	143	-26
White	351	243	-108	250	-101	295	-106	229	-122	137	-214
Williamson	555	530	-25	530	-25	576	-124	502	-53	539	-16
Alexander/Pulaski	83	88	5	69	-14	165	18	66	-17	104	21
Edwards/Wabash	129	138	9	126	-3	257	-36	122	-7	160	31
Gallatin/Hamilton/Saline	578	558	-20	561	-17	723	-227	525	-53	337	-241
Hardin/Pope	62	94	32	94	32	114	-18	89	27	74	12
Johnson/Massac	299	303	4	301	2	393	-0	285	-14	237	-62

Table A5: Existing, Projected, Need, and Excess beds by Health Services and Health Planning Areas: 2018 (continued)

Projection Horizon/HSA/ HPA	Existing Beds (projection year)	Current Illinois Methodology (60% - 160%; 90%) (CIM-0)		Modified Illinois Current Methodology-1 (base rate used, 90%) (CIM-1)		Modified Illinois Current Methodology-2 (30% 130%; 90%) (CIM-2)		Modified Illinois Current Methodology-3 (30% 150%; 95%) (CIM-3)		Ohio Methodology Adapted to Illinois data (State flat rate, 90%) (OMAI)	
		Projected	Need / excess (-)	Projected	Need / excess (-)	Projected	Need / excess (-)	Projected	Need / excess (-)	Projected	Need / excess (-)
HSA6	16,163	13,358	-2,805	14,698	-1,465	14,706	-4,011	12,345	-3,818	14,527	-1,636
6-A	7,185	5,228	-1,957	6,568	-617	5,100	-3,114	4,643	-2,542	3,219	-3,966
6-B	4,194	3,754	-440	3,754	-440	4,649	-58	3,557	-637	4,819	625
6-C	4,784	4,375	-409	4,375	-409	4,957	-839	4,145	-639	6,489	1,705
HSA7	28,079	26,375	-1,704	26,150	-1,929	22,258	-7,582	24,258	-3,821	24,018	-4,061
7-A	3,321	3,789	468	3,242	-79	2,569	-395	3,214	-107	4,363	1,042
7-B	6,827	6,084	-743	6,206	-621	4,803	-2,480	5,655	-1,172	4,077	-2,750
7-C	5,862	5,999	137	5,912	50	5,341	-592	5,600	-262	6,146	284
7-D	2,904	2,462	-442	2,462	-442	2,467	-824	2,332	-572	2,826	-78
7-E	9,165	8,041	-1,124	8,328	-837	7,078	-3,291	7,458	-1,707	6,605	-2,560
HSA8	8,724	8,023	-701	7,904	-820	6,915	-1,522	7,499	-1,225	9,424	700
Kane	3,064	2,704	-360	2,704	-360	2,244	-381	2,562	-502	3,138	74
Lake	4,663	4,186	-477	4,186	-477	3,713	-1,005	3,966	-697	4,399	-264
McHenry	997	1,133	136	1,014	17	958	-136	971	-26	1,886	889
HSA9	4,608	4,614	6	4,755	147	3,992	-479	4,293	-315	5,782	1,174
Grundy	265	302	37	287	22	295	6	272	7	310	45
Kankakee	1,368	1,045	-323	1,273	-95	1,125	-315	970	-398	797	-571
Kendall	185	341	156	268	83	211	33	279	94	627	442
Will	2,790	2,926	136	2,926	136	2,361	-203	2,772	-18	4,048	1,258
HSA10	1,886	1,680	-206	1,688	-198	1,912	-230	1,586	-300	1,687	-199
Henry	500	433	-67	441	-59	528	-74	405	-95	393	-107
Mercer	172	170	-2	170	-2	171	-42	161	-11	142	-30
Rock Island	1,214	1,077	-137	1,077	-137	1,213	-114	1,020	-194	1,152	-62
HSA11	5,070	4,331	-739	4,291	-779	5,607	-917	4,039	-1,031	4,088	-982
Clinton	357	323	-34	314	-43	375	-45	298	-59	273	-84
Madison	2,212	1,849	-363	1,830	-382	2,290	-403	1,733	-479	1,896	-316
Monroe	250	302	52	288	38	280	-104	273	23	259	9
St. Clair	2,251	1,858	-393	1,859	-392	2,662	-365	1,735	-516	1,661	-590

Table A6: Existing, Projected, Need, and Excess beds by Health Services and Health Planning Areas: 2015

Projection Horizon/HSA/ HPA	Existing Beds (projection year)	Current Illinois Methodology (60% - 160%; 90%) (CIM-0)		Modified Illinois Current Methodology-1 (base rate used, 90%) (CIM-1)		Modified Illinois Current Methodology-2 (30%- 130%; 90%) (CIM-2)		Modified Illinois Current Methodology-3 (30%- 150%; 95%) (CIM-3)		Ohio Methodology Adapted to Illinois data (State flat rate, 90%) (OMAI)	
		Projected	Need / excess (-)	Projected	Need / excess (-)	Projected	Need / excess (-)	Projected	Need / excess (-)	Projected	Need / excess (-)
2015	101,448	91,256	-10,192	92,175	-9,273	90,783	-21,411	84,242	-17,206	87,954	-13,494
HSA1	6,072	5,361	-711	5,349	-723	5,859	-548	4,979	-1,093	5,060	-1,012
Boone	279	334	55	308	29	302	-46	298	19	349	70
Carroll	148	126	-22	123	-25	247	-23	116	-32	146	-2
DeKalb	742	734	-8	704	-38	666	-67	667	-75	592	-150
Jo Daviess	155	161	6	137	-18	181	26	134	-21	221	66
Lee	342	283	-59	276	-66	414	-51	261	-81	278	-64
Ogle	535	444	-91	421	-114	500	-59	403	-132	403	-132
Stephenson	662	578	-84	577	-85	558	-30	547	-115	448	-214
Whiteside	843	619	-224	721	-122	638	-202	580	-263	525	-318
Winnebago	2,366	2,083	-283	2,083	-283	2,354	-95	1,973	-393	2,098	-268
HSA2	7,905	7,251	-654	7,233	-672	7,746	-1,137	6,675	-1,230	5,601	-2,304
Fulton	603	542	-61	542	-61	507	-233	509	-94	336	-267
Knox	950	757	-193	757	-193	866	-257	717	-233	499	-451
LaSalle	1,389	1,297	-92	1,253	-136	1,261	-111	1,187	-202	968	-421
McDonough	376	356	-20	344	-32	377	-38	326	-50	255	-121
Peoria	1,731	1,635	-96	1,722	-9	1,826	-132	1,521	-210	1,370	-361
Tazewell	1,246	1,169	-77	1,118	-128	1,289	-125	1,060	-186	1,109	-137
Woodford	592	593	1	604	12	458	-141	534	-58	311	-281
Bureau/Putnam	373	373	-0	362	-11	487	-21	343	-30	365	-8
Henderson/Warren	218	201	-17	184	-34	357	21	175	-43	222	4
Marshall/Stark	427	328	-99	346	-81	318	-100	304	-123	166	-261
HSA3	7,099	6,278	-821	6,223	-876	6,669	-1,664	5,747	-1,352	4,876	-2,223
Adams	1,495	1,239	-256	1,251	-244	1,057	-446	1,108	-387	615	-880
Cass	150	129	-21	125	-25	201	-81	119	-31	111	-39
Christian	472	425	-47	425	-47	470	-100	403	-69	316	-156
Greene	119	106	-13	98	-21	124	-35	93	-26	120	1
Hancock	184	165	-19	158	-26	205	-40	150	-34	186	2
Jersey	369	338	-31	340	-29	289	-34	313	-56	185	-184

Table A6: Existing, Projected, Need, and Excess beds by Health Services and Health Planning Areas: 2015 (continued)

Projection Horizon/HSA/ HPA	Existing Beds (projection year)	Current Illinois Methodology (60% - 160%; 90%) (CIM-0)		Modified Illinois Current Methodology-1 (base rate used, 90%) (CIM-1)		Modified Illinois Current Methodology-2 (30% 130%; 90%) (CIM-2)		Modified Illinois Current Methodology-3 (30% 150%; 95%) (CIM-3)		Ohio Methodology Adapted to Illinois data (State flat rate, 90%) (OMAI)	
		Projected	Need / excess (-)	Projected	Need / excess (-)	Projected	Need / excess (-)	Projected	Need / excess (-)	Projected	Need / excess (-)
Logan	468	441	-27	441	-27	416	-101	417	-51	251	-217
Macoupin	744	612	-132	612	-132	752	-105	579	-165	426	-318
Mason	164	145	-19	144	-20	138	-26	136	-28	136	-28
Menard	106	174	68	174	68	150	-42	165	59	105	-1
Montgomery	490	395	-95	413	-77	488	-202	371	-119	264	-226
Sangamon	1,254	1,171	-83	1,072	-182	1,359	-141	1,016	-238	1,492	238
Brown/Schuylerville	186	152	-34	150	-36	189	-27	142	-44	113	-73
Calhoun/Pike	337	292	-45	292	-45	286	-79	277	-60	211	-126
Morgan/Scott	561	493	-68	527	-34	545	-205	458	-103	345	-216
HSA4	8,230	7,011	-1,219	7,173	-1,057	8,163	-928	6,504	-1,726	6,142	-2,088
Champaign	908	874	-34	822	-86	1,099	-52	779	-129	1,183	275
Clark	255	228	-27	228	-27	249	-44	216	-39	140	-115
Dewitt	190	169	-21	164	-26	230	67	156	-34	135	-55
Douglas	233	189	-44	202	-31	284	-29	176	-57	161	-72
Edgar	299	225	-74	226	-73	271	-18	211	-88	169	-130
Ford	434	276	-158	436	2	255	-145	245	-189	140	-294
Iroquois	486	391	-95	391	-95	474	-102	369	-117	275	-211
Livingston	550	478	-72	478	-72	505	-79	453	-97	323	-227
Macon	1,253	1,174	-79	1,218	-35	1,327	-73	1,103	-150	947	-306
McLean	1,118	1,020	-98	991	-127	1,296	159	939	-179	1,025	-93
Moultrie	361	264	-97	283	-78	278	-219	235	-126	136	-225
Piatt	160	166	6	166	6	150	-10	157	-3	135	-25
Shelby	265	207	-58	203	-62	239	-61	193	-72	207	-58
Vermilion	779	672	-107	672	-107	763	-64	636	-143	675	-104
Coles/Cumberland	939	679	-260	693	-246	741	-260	638	-301	493	-446
HSA5	7,279	6,051	-1,228	6,127	-1,152	7,173	-2,049	5,634	-1,645	5,229	-2,050
Bond	198	148	-50	148	-50	179	-79	141	-57	143	-55
Clay	209	142	-67	142	-67	135	-74	134	-75	127	-82
Crawford	220	202	-18	189	-31	191	-54	184	-36	171	-49
Effingham	432	408	-24	407	-25	341	-162	386	-46	270	-162

Table A6: Existing, Projected, Need, and Excess beds by Health Services and Health Planning Areas: 2015 (continued)

Projection Horizon/HSA/ HPA	Existing Beds (projection year)	Current Illinois Methodology (60% - 160%; 90%) (CIM-0)		Modified Illinois Current Methodology-1 (base rate used, 90%) (CIM-1)		Modified Illinois Current Methodology-2 (30% 130%; 90%) (CIM-2)		Modified Illinois Current Methodology-3 (30% 150%; 95%) (CIM-3)		Ohio Methodology Adapted to Illinois data (State flat rate, 90%) (OMAI)	
		Projected	Need / excess (-)	Projected	Need / excess (-)	Projected	Need / excess (-)	Projected	Need / excess (-)	Projected	Need / excess (-)
Fayette	261	188	-73	188	-73	258	-89	178	-83	183	-78
Franklin	390	320	-70	320	-70	430	-91	303	-87	355	-35
Jackson	369	293	-76	277	-92	460	-60	262	-107	395	26
Jasper	57	64	7	61	4	97	5	58	1	89	32
Jefferson	346	305	-41	297	-49	399	-25	281	-65	312	-34
Lawrence	340	242	-98	270	-70	298	-213	214	-126	140	-200
Marion	603	522	-81	522	-81	551	-117	494	-109	342	-261
Perry	210	169	-41	169	-41	255	-14	160	-50	176	-34
Randolph	490	284	-206	374	-116	443	-168	265	-225	274	-216
Richland	309	267	-42	279	-30	200	-109	251	-58	155	-154
Union	293	237	-56	258	-35	183	-110	221	-72	154	-139
Washington	263	171	-92	168	-95	200	-57	159	-104	121	-142
Wayne	169	148	-21	142	-27	142	-27	135	-34	157	-12
White	351	266	-85	272	-79	257	-144	249	-102	153	-198
Williamson	543	501	-42	501	-42	564	-136	474	-69	545	2
Alexander/Pulaski	83	88	5	78	-5	158	11	74	-9	114	31
Edwards/Wabash	139	146	7	125	-14	212	-81	125	-14	167	28
Gallatin/Hamilton/Saline	590	576	-14	576	-14	699	-251	542	-48	359	-231
Hardin/Pope	113	91	-22	91	-22	131	-1	86	-27	81	-32
Johnson/Massac	301	273	-28	273	-28	392	-1	258	-43	247	-54
HSA6	16,163	14,502	-1,661	15,608	-555	13,809	-4,950	13,404	-2,759	15,793	-370
6-A	7,194	5,646	-1,548	6,752	-442	4,853	-3,366	5,015	-2,179	3,595	-3,599
6-B	4,178	4,144	-34	4,144	-34	4,270	-464	3,926	-252	5,194	1,016
6-C	4,791	4,712	-79	4,712	-79	4,686	-1,120	4,464	-327	7,004	2,213
HSA7	28,175	26,532	-1,643	26,211	-1,964	23,008	-6,923	24,264	-3,911	24,637	-3,538
7-A	3,323	3,758	435	3,132	-191	2,784	-377	3,163	-160	4,394	1,071
7-B	6,779	6,255	-524	6,476	-303	4,920	-2,384	5,792	-987	4,245	-2,534
7-C	6,033	5,902	-131	5,729	-304	5,299	-682	5,428	-605	6,026	-7
7-D	2,904	2,444	-460	2,444	-460	2,520	-772	2,316	-588	3,072	168
7-E	9,136	8,173	-963	8,429	-707	7,485	-2,708	7,566	-1,570	6,900	-2,236

Table A6: Existing, Projected, Need, and Excess beds by Health Services and Health Planning Areas: 2015 (continued)

Projection Horizon/HSA/ HPA	Existing Beds (projection year)	Current Illinois Methodology (60% - 160%; 90%) (CIM-0)		Modified Illinois Current Methodology-1 (base rate used, 90%) (CIM-1)		Modified Illinois Current Methodology-2 (30% 130%; 90%) (CIM-2)		Modified Illinois Current Methodology-3 (30% 150%; 95%) (CIM-3)		Ohio Methodology Adapted to Illinois data (State flat rate, 90%) (OMAI)	
		Projected	Need / excess (-)	Projected	Need / excess (-)	Projected	Need / excess (-)	Projected	Need / excess (-)	Projected	Need / excess (-)
HSA8	8,764	7,614	-1,150	7,484	-1,280	7,138	-1,264	7,102	-1,662	8,971	207
Kane	3,064	2,350	-714	2,350	-714	2,312	-318	2,226	-838	2,966	-98
Lake	4,663	4,191	-472	4,191	-472	3,906	-838	3,971	-692	4,221	-442
McHenry	1,037	1,074	37	943	-94	920	-108	906	-131	1,784	747
HSA9	4,658	4,325	-333	4,453	-205	3,912	-597	3,966	-692	5,437	779
Grundy	265	268	3	249	-16	307	18	238	-27	308	43
Kankakee	1,368	1,108	-260	1,345	-23	941	-568	984	-384	814	-554
Kendall	185	278	93	189	4	205	27	214	29	564	379
Will	2,840	2,671	-169	2,671	-169	2,458	-75	2,530	-310	3,752	912
HSA10	2,014	1,799	-215	1,792	-222	1,741	-383	1,699	-315	1,810	-204
Henry	500	455	-45	455	-45	503	-105	431	-69	434	-66
Mercer	172	167	-5	160	-12	151	-62	152	-20	143	-29
Rock Island	1,342	1,177	-165	1,177	-165	1,086	-217	1,115	-227	1,233	-109
HSA11	5,089	4,533	-556	4,523	-566	5,565	-968	4,267	-822	4,398	-691
Clinton	357	353	-4	353	-4	360	-47	334	-23	293	-64
Madison	2,193	1,815	-378	1,815	-378	2,324	-371	1,720	-473	1,997	-196
Monroe	250	354	104	344	94	259	-135	308	58	261	11
St. Clair	2,289	2,011	-278	2,011	-278	2,622	-415	1,905	-384	1,847	-442

Table A7: Existing, Projected, Need, and Excess beds by Health Services and Health Planning Areas: 2013

Projection Horizon/HSA/ HPA	Existing Beds (projection year)	Current Illinois Methodology (60% - 160%; 90%) (CIM-0)		Modified Illinois Current Methodology-1 (base rate used, 90%) (CIM-1)		Modified Illinois Current Methodology-2 (30%- 130%; 90%) (CIM-2)		Modified Illinois Current Methodology-3 (30%- 150%; 95%) (CIM-3)		Ohio Methodology Adapted to Illinois data (State flat rate, 90%) (OMAI)	
		Projected	Need / excess (-)	Projected	Need / excess (-)	Projected	Need / excess (-)	Projected	Need / excess (-)	Projected	Need / excess (-)
2013	102,914	91,944	-10,970	92,991	-9,923	96,568	-13,381	84,854	-18,060	90,047	-12,867
HSA1	6,171	5,419	-752	5,397	-774	6,104	-213	5,031	-1,140	5,254	-917
Boone	279	274	-5	249	-30	320	40	242	-37	334	55
Carroll	170	146	-24	143	-27	200	-43	135	-35	154	-16
DeKalb	742	726	-16	692	-50	754	21	656	-86	612	-130
Jo Daviess	155	171	16	152	-3	177	22	146	-9	230	75
Lee	342	305	-37	291	-51	399	-66	278	-64	293	-49
Ogle	535	493	-42	474	-61	533	-21	451	-84	415	-120
Stephenson	663	562	-101	560	-103	597	11	530	-133	467	-196
Whiteside	822	637	-185	732	-90	762	-78	598	-224	537	-285
Winnebago	2,463	2,105	-358	2,105	-358	2,363	-98	1,994	-469	2,212	-251
HSA2	8,146	7,164	-982	7,138	-1,008	7,795	-939	6,631	-1,515	5,733	-2,413
Fulton	672	548	-124	548	-124	573	-169	519	-153	334	-338
Knox	965	714	-251	718	-247	872	-269	669	-296	502	-463
LaSalle	1,419	1,275	-144	1,243	-176	1,444	98	1,178	-241	994	-425
McDonough	376	338	-38	325	-51	385	-3	308	-68	257	-119
Peoria	1,736	1,614	-122	1,708	-28	1,666	-203	1,500	-236	1,399	-337
Tazewell	1,293	1,204	-89	1,149	-144	1,318	-83	1,089	-204	1,154	-139
Woodford	594	539	-55	539	-55	540	-59	510	-84	313	-281
Bureau/Putnam	447	369	-78	352	-95	404	-74	333	-114	373	-74
Henderson/Warren	217	228	11	222	5	277	-75	210	-7	223	6
Marshall/Stark	427	335	-92	335	-92	317	-101	315	-112	184	-243
HSA3	7,364	6,233	-1,131	6,180	-1,184	6,874	-1,236	5,773	-1,591	4,898	-2,466
Adams	1,495	1,101	-394	1,101	-394	1,155	-350	1,043	-452	625	-870
Cass	150	159	9	171	21	177	-93	148	-2	109	-41
Christian	472	391	-81	391	-81	485	-32	371	-101	313	-159
Greene	119	107	-12	107	-12	156	-3	102	-17	117	-2
Hancock	241	155	-86	151	-90	208	-37	143	-98	185	-56
Jersey	369	315	-54	312	-57	291	-48	296	-73	186	-183
Logan	468	452	-16	452	-16	384	-75	428	-40	254	-214

Table A7: Existing, Projected, Need, and Excess beds by Health Services and Health Planning Areas: 2013 (continued)

Projection Horizon/HSA/ HPA	Existing Beds (projection year)	Current Illinois Methodology (60% - 160%; 90%) (CIM-0)		Modified Illinois Current Methodology-1 (base rate used, 90%) (CIM-1)		Modified Illinois Current Methodology-2 (30% 130%; 90%) (CIM-2)		Modified Illinois Current Methodology-3 (30% 150%; 95%) (CIM-3)		Ohio Methodology Adapted to Illinois data (State flat rate, 90%) (OMAI)	
		Projected	Need / excess (-)	Projected	Need / excess (-)	Projected	Need / excess (-)	Projected	Need / excess (-)	Projected	Need / excess (-)
Macoupin	744	555	-189	555	-189	777	40	526	-218	418	-326
Mason	164	158	-6	156	-8	169	5	148	-16	143	-21
Menard	192	188	-4	189	-3	137	-55	169	-23	101	-91
Montgomery	490	516	26	546	56	478	-212	482	-8	275	-215
Sangamon	1,254	1,162	-92	1,063	-191	1,385	-130	1,007	-247	1,495	241
Brown/Schuylerville	215	149	-66	144	-71	168	-48	137	-78	119	-96
Calhoun/Pike	337	286	-51	286	-51	330	-34	271	-66	206	-131
Morgan/Scott	654	537	-117	554	-100	573	-165	502	-152	351	-303
HSA4	8,203	7,133	-1,070	7,340	-863	7,742	-1,016	6,626	-1,577	6,315	-1,888
Champaign	908	920	12	897	-11	1,111	18	849	-59	1,236	328
Clark	255	197	-58	197	-58	253	-20	187	-68	147	-108
Dewitt	190	153	-37	149	-41	203	-16	141	-49	134	-56
Douglas	233	195	-38	210	-23	232	-2	183	-50	169	-64
Edgar	299	217	-82	255	-44	277	-22	202	-97	168	-131
Ford	427	272	-155	376	-51	260	-148	241	-186	139	-288
Iroquois	486	374	-112	375	-111	494	-82	352	-134	279	-207
Livingston	550	459	-91	454	-96	506	-27	430	-120	321	-229
Macon	1,231	1,261	30	1,302	71	1,208	-208	1,185	-46	989	-242
McLean	1,118	1,148	30	1,103	-15	1,116	11	1,045	-73	1,058	-60
Moultrie	369	275	-94	341	-28	215	-195	245	-124	142	-227
Piatt	160	157	-3	156	-4	187	27	148	-12	134	-26
Shelby	265	222	-43	220	-45	259	-41	209	-56	208	-57
Vermilion	773	591	-182	591	-182	691	-97	559	-214	688	-85
Coles/Cumberland	939	692	-247	713	-226	731	-213	650	-289	502	-437
HSA5	7,474	6,032	-1,442	6,117	-1,357	7,224	-1,468	5,567	-1,907	5,267	-2,207
Bond	198	195	-3	190	-8	154	-67	180	-18	140	-58
Clay	209	129	-80	129	-80	160	-49	120	-89	124	-85
Crawford	220	214	-6	205	-15	190	-55	196	-24	178	-42
Effingham	432	413	-19	410	-22	407	-35	387	-45	281	-151
Fayette	261	242	-19	249	-12	262	-97	226	-35	184	-77

Table A7: Existing, Projected, Need, and Excess beds by Health Services and Health Planning Areas: 2013 (continued)

Projection Horizon/HSA/ HPA	Existing Beds (projection year)	Current Illinois Methodology (60% - 160%; 90%) (CIM-0)		Modified Illinois Current Methodology-1 (base rate used, 90%) (CIM-1)		Modified Illinois Current Methodology-2 (30% 130%; 90%) (CIM-2)		Modified Illinois Current Methodology-3 (30% 150%; 95%) (CIM-3)		Ohio Methodology Adapted to Illinois data (State flat rate, 90%) (OMAI)	
		Projected	Need / excess (-)	Projected	Need / excess (-)	Projected	Need / excess (-)	Projected	Need / excess (-)	Projected	Need / excess (-)
Franklin	390	302	-88	302	-88	420	-103	286	-104	347	-43
Jackson	427	328	-99	304	-123	413	-38	288	-139	405	-22
Jasper	82	67	-15	59	-23	79	-13	59	-23	84	2
Jefferson	346	333	-13	322	-24	391	-33	305	-41	319	-27
Lawrence	360	224	-136	231	-129	275	-105	202	-158	139	-221
Marion	605	513	-92	513	-92	561	-46	486	-119	350	-255
Perry	210	173	-37	159	-51	237	-23	151	-59	178	-32
Randolph	492	299	-193	410	-82	445	-158	279	-213	279	-213
Richland	309	291	-18	330	21	225	-82	260	-49	162	-147
Union	293	201	-92	242	-51	265	-28	185	-108	147	-146
Washington	263	159	-104	153	-110	190	-73	145	-118	127	-136
Wayne	169	141	-28	138	-31	163	-6	131	-38	157	-12
White	355	247	-108	246	-109	283	-118	231	-124	159	-196
Williamson	543	444	-99	444	-99	662	32	420	-123	531	-12
Alexander/Pulaski	83	82	-1	67	-16	137	-10	64	-19	118	35
Edwards/Wabash	139	146	7	124	-15	223	-70	124	-15	173	34
Gallatin/Hamilton/Saline	663	529	-134	529	-134	650	-189	501	-162	359	-304
Hardin/Pope	113	84	-29	84	-29	115	-17	80	-33	78	-35
Johnson/Massac	312	274	-38	274	-38	318	-84	260	-52	249	-63
HSA6	16,517	14,493	-2,024	15,538	-979	13,807	-4,566	13,393	-3,124	16,156	-361
6-A	7,300	5,702	-1,598	6,747	-553	4,532	-3,643	5,065	-2,235	3,752	-3,548
6-B	4,178	4,155	-23	4,155	-23	4,312	-274	3,936	-242	5,261	1,083
6-C	5,039	4,636	-403	4,636	-403	4,963	-649	4,392	-647	7,142	2,103
HSA7	28,308	26,511	-1,797	26,341	-1,967	26,537	-3,044	24,168	-4,140	25,578	-2,730
7-A	3,330	3,817	487	3,134	-196	3,454	491	3,164	-166	4,475	1,145
7-B	7,099	6,369	-730	6,799	-300	5,649	-1,666	5,952	-1,147	4,435	-2,664
7-C	5,986	5,752	-234	5,505	-481	6,520	528	5,215	-771	6,194	208
7-D	2,904	2,492	-412	2,492	-412	2,689	-438	2,360	-544	3,291	387
7-E	8,989	8,081	-908	8,412	-577	8,227	-1,957	7,477	-1,512	7,183	-1,806

Table A7: Existing, Projected, Need, and Excess beds by Health Services and Health Planning Areas: 2013 (continued)

Projection Horizon/HSA/ HPA	Existing Beds (projection year)	Current Illinois Methodology (60% - 160%; 90%) (CIM-0)		Modified Illinois Current Methodology-1 (base rate used, 90%) (CIM-1)		Modified Illinois Current Methodology-2 (30% 130%; 90%) (CIM-2)		Modified Illinois Current Methodology-3 (30% 150%; 95%) (CIM-3)		Ohio Methodology Adapted to Illinois data (State flat rate, 90%) (OMAI)	
		Projected	Need / excess (-)	Projected	Need / excess (-)	Projected	Need / excess (-)	Projected	Need / excess (-)	Projected	Need / excess (-)
HSA8	8,850	8,596	-254	8,426	-424	8,258	-209	8,040	-810	9,127	277
Kane	2,993	2,745	-248	2,745	-248	2,663	41	2,601	-392	2,967	-26
Lake	4,825	4,644	-181	4,644	-181	4,554	-275	4,400	-425	4,378	-447
McHenry	1,032	1,207	175	1,037	5	1,040	24	1,039	7	1,782	750
HSA9	4,628	4,075	-553	4,192	-436	4,635	96	3,716	-912	5,339	711
Grundy	265	223	-42	199	-66	351	44	196	-69	297	32
Kankakee	1,368	1,060	-308	1,307	-61	1,033	-516	941	-427	821	-547
Kendall	185	235	50	128	-57	300	122	156	-29	511	326
Will	2,810	2,557	-253	2,557	-253	2,950	445	2,423	-387	3,709	899
HSA10	2,030	1,755	-275	1,756	-274	1,860	-224	1,642	-388	1,851	-179
Henry	518	434	-84	442	-76	469	-130	405	-113	437	-81
Mercer	186	197	11	190	4	167	-38	172	-14	149	-37
Rock Island	1,326	1,124	-202	1,124	-202	1,224	-56	1,065	-261	1,265	-61
HSA11	5,223	4,533	-690	4,567	-656	5,731	-563	4,267	-956	4,529	-694
Clinton	406	385	-21	385	-21	377	-31	364	-42	300	-106
Madison	2,199	1,816	-383	1,816	-383	2,404	-108	1,720	-479	2,075	-124
Monroe	324	367	43	401	77	305	-99	321	-3	268	-56
St. Clair	2,294	1,965	-329	1,965	-329	2,646	-324	1,861	-433	1,885	-409

Table A8: Existing, Projected, Need, and Excess beds by Health Services and Health Planning Areas: 2010

Projection Horizon/HSA/ HPA	Existing Beds (projection year)	Current Illinois Methodology (60% - 160%; 90%) (CIM-0)		Modified Illinois Current Methodology-1 (base rate used, 90%) (CIM-1)		Modified Illinois Current Methodology-2 (30%- 130%; 90%) (CIM-2)		Modified Illinois Current Methodology-3 (30%- 150%; 95%) (CIM-3)		Ohio Methodology Adapted to Illinois data (State flat rate, 90%) (OMAI)	
		Projected	Need / excess (-)	Projected	Need / excess (-)	Projected	Need / excess (-)	Projected	Need / excess (-)	Projected	Need / excess (-)
2010	106,209	91,668	-14,541	92,656	-13,553	95,789	-12,259	84,861	-21,348	92,044	-14,165
HSA1	6,103	5,608	-495	5,595	-508	5,835	-346	5,207	-896	5,450	-653
Boone	279	307	28	291	12	323	41	276	-3	344	65
Carroll	243	175	-68	174	-69	215	-28	165	-78	171	-72
DeKalb	742	717	-25	680	-62	669	-60	645	-97	641	-101
Jo Daviess	155	183	28	163	8	203	48	158	3	234	79
Lee	340	330	-10	320	-20	364	9	303	-37	307	-33
Ogle	553	510	-43	489	-64	500	-53	467	-86	434	-119
Stephenson	633	583	-50	574	-59	626	-7	544	-89	485	-148
Whiteside	822	659	-163	760	-62	670	-152	619	-203	559	-263
Winnebago	2,336	2,144	-192	2,144	-192	2,266	-143	2,031	-305	2,275	-61
HSA2	8,510	7,462	-1,048	7,456	-1,054	7,816	-754	6,967	-1,543	6,003	-2,507
Fulton	720	574	-146	574	-146	535	-199	544	-176	361	-359
Knox	965	740	-225	740	-225	861	-154	701	-264	530	-435
LaSalle	1,472	1,294	-178	1,258	-214	1,396	-96	1,191	-281	1,045	-427
McDonough	376	346	-30	335	-41	359	-13	318	-58	270	-106
Peoria	1,822	1,626	-196	1,693	-129	1,634	-185	1,513	-309	1,467	-355
Tazewell	1,392	1,304	-88	1,290	-102	1,531	139	1,222	-170	1,173	-219
Woodford	601	590	-11	590	-11	517	-82	559	-42	326	-275
Bureau/Putnam	473	370	-103	361	-112	424	-39	342	-131	402	-71
Henderson/Warren	262	252	-10	247	-15	266	9	234	-28	236	-26
Marshall/Stark	427	365	-62	368	-59	291	-136	343	-84	194	-233
HSA3	7,846	6,670	-1,176	6,634	-1,212	6,827	-1,003	6,216	-1,630	5,148	-2,698
Adams	1,524	1,274	-250	1,274	-250	1,112	-397	1,194	-330	658	-866
Cass	270	177	-93	175	-95	201	-69	161	-109	115	-155
Christian	516	402	-114	402	-114	432	-84	381	-135	330	-186
Greene	119	116	-3	112	-7	162	3	106	-13	124	5

Table A8: Existing, Projected, Need, and Excess beds by Health Services and Health Planning Areas: 2010 (continued)

Projection Horizon/HSA/ HPA	Existing Beds (projection year)	Current Illinois Methodology (60% - 160%; 90%) (CIM-0)		Modified Illinois Current Methodology-1 (base rate used, 90%) (CIM-1)		Modified Illinois Current Methodology-2 (30% 130%; 90%) (CIM-2)		Modified Illinois Current Methodology-3 (30% 150%; 95%) (CIM-3)		Ohio Methodology Adapted to Illinois data (State flat rate, 90%) (OMAI)	
		Projected	Need / excess (-)	Projected	Need / excess (-)	Projected	Need / excess (-)	Projected	Need / excess (-)	Projected	Need / excess (-)
Hancock	241	173	-68	167	-74	265	24	158	-83	196	-45
Jersey	359	320	-39	314	-45	318	27	297	-62	195	-164
Logan	468	461	-7	461	-7	418	-44	436	-32	268	-200
Macoupin	744	588	-156	588	-156	706	-31	557	-187	450	-294
Mason	164	149	-15	144	-20	148	-16	137	-27	150	-14
Menard	192	180	-12	172	-20	144	-48	164	-28	105	-87
Montgomery	655	533	-122	547	-108	500	-180	502	-153	291	-364
Sangamon	1,319	1,264	-55	1,216	-103	1,324	5	1,152	-167	1,537	218
Brown/Schuylerville	216	160	-56	157	-59	191	-25	149	-67	125	-91
Calhoun/Pike	337	277	-60	277	-60	331	-5	263	-74	234	-103
Morgan/Scott	722	597	-125	626	-96	572	-166	561	-161	370	-352
HSA4	8,616	7,272	-1,344	7,424	-1,192	7,789	-837	6,776	-1,840	6,522	-2,094
Champaign	1,045	918	-127	900	-145	1,048	3	852	-193	1,245	200
Clark	273	218	-55	218	-55	274	1	207	-66	155	-118
Dewitt	190	146	-44	141	-49	207	17	135	-55	148	-42
Douglas	233	192	-41	214	-19	226	-7	180	-53	178	-55
Edgar	299	244	-55	245	-54	302	3	229	-70	185	-114
Ford	417	281	-136	357	-60	219	-198	249	-168	147	-270
Iroquois	564	417	-147	433	-131	494	-70	389	-175	303	-261
Livingston	541	494	-47	494	-47	491	-50	468	-73	345	-196
Macon	1,386	1,250	-136	1,261	-125	1,263	-139	1,175	-211	1,008	-378
McLean	1,112	1,157	45	1,122	10	1,132	27	1,063	-49	1,057	-55
Moultrie	401	284	-117	336	-65	233	-168	253	-148	150	-251
Piatt	160	166	6	166	6	153	-7	158	-2	140	-20
Shelby	284	220	-64	217	-67	262	-22	206	-78	220	-64
Vermilion	757	600	-157	600	-157	707	-46	568	-189	714	-43
Coles/Cumberland	954	685	-269	719	-235	778	-181	644	-310	527	-427

Table A8: Existing, Projected, Need, and Excess beds by Health Services and Health Planning Areas: 2010 (continued)

Projection Horizon/HSA/ HPA	Existing Beds (projection year)	Current Illinois Methodology (60% - 160%; 90%) (CIM-0)		Modified Illinois Current Methodology-1 (base rate used, 90%) (CIM-1)		Modified Illinois Current Methodology-2 (30% 130%; 90%) (CIM-2)		Modified Illinois Current Methodology-3 (30% 150%; 95%) (CIM-3)		Ohio Methodology Adapted to Illinois data (State flat rate, 90%) (OMAI)	
		Projected	Need / excess (-)	Projected	Need / excess (-)	Projected	Need / excess (-)	Projected	Need / excess (-)	Projected	Need / excess (-)
HSA5	7,903	6,051	-1,852	6,124	-1,779	7,453	-1,106	5,568	-2,335	5,560	-2,343
Bond	198	200	2	200	2	191	-7	189	-9	147	-51
Clay	209	132	-77	132	-77	161	-48	125	-84	131	-78
Crawford	225	204	-21	197	-28	239	14	186	-39	179	-46
Effingham	432	343	-89	340	-92	405	-27	323	-109	286	-146
Fayette	359	244	-115	259	-100	265	-94	229	-130	193	-166
Franklin	400	306	-94	297	-103	464	-59	281	-119	371	-29
Jackson	427	321	-106	291	-136	375	-76	279	-148	422	-5
Jasper	92	62	-30	54	-38	76	-16	54	-38	88	-4
Jefferson	346	332	-14	320	-26	421	11	303	-43	333	-13
Lawrence	465	231	-234	245	-220	277	-188	207	-258	146	-319
Marion	605	508	-97	516	-89	668	63	477	-128	367	-238
Perry	260	207	-53	192	-68	256	-4	187	-73	192	-68
Randolph	492	301	-191	422	-70	494	-57	281	-211	292	-200
Richland	308	278	-30	294	-14	239	-69	250	-58	170	-138
Union	293	197	-96	246	-47	261	-32	185	-108	161	-132
Washington	263	158	-105	152	-111	155	-108	144	-119	134	-129
Wayne	169	139	-30	134	-35	146	-23	127	-42	165	-4
White	355	239	-116	241	-114	299	-100	224	-131	167	-188
Williamson	617	464	-153	451	-166	624	7	427	-190	567	-50
Alexander/Pulaski	147	85	-62	69	-78	136	-11	69	-78	127	-20
Edwards/Wabash	139	134	-5	114	-25	149	-74	113	-26	183	44
Gallatin/Hamilton/Saline	681	573	-108	573	-108	675	-164	543	-138	386	-295
Hardin/Pope	109	94	-15	94	-15	106	-26	89	-20	90	-19
Johnson/Massac	312	298	-14	290	-22	371	-18	275	-37	260	-52

Table A8: Existing, Projected, Need, and Excess beds by Health Services and Health Planning Areas: 2010 (continued)

Projection Horizon/HSA/ HPA	Existing Beds (projection year)	Current Illinois Methodology (60% - 160%; 90%) (CIM-0)		Modified Illinois Current Methodology-1 (base rate used, 90%) (CIM-1)		Modified Illinois Current Methodology-2 (30% 130%; 90%) (CIM-2)		Modified Illinois Current Methodology-3 (30% 150%; 95%) (CIM-3)		Ohio Methodology Adapted to Illinois data (State flat rate, 90%) (OMAI)	
		Projected	Need / excess (-)	Projected	Need / excess (-)	Projected	Need / excess (-)	Projected	Need / excess (-)	Projected	Need / excess (-)
HSA6	17,323	13,957	-3,366	14,849	-2,474	13,746	-4,410	12,892	-4,431	16,487	-836
6-A	7,734	5,542	-2,192	6,436	-1,298	4,467	-3,748	4,922	-2,812	3,924	-3,810
6-B	4,219	4,168	-51	4,168	-51	4,308	-64	3,948	-271	5,268	1,049
6-C	5,370	4,248	-1,122	4,245	-1,125	4,971	-598	4,021	-1,349	7,295	1,925
HSA7	29,463	25,955	-3,508	25,849	-3,614	26,600	-2,732	23,816	-5,647	25,777	-3,686
7-A	3,215	3,495	280	2,886	-329	3,606	543	2,916	-299	4,354	1,139
7-B	7,101	6,227	-874	6,436	-665	5,749	-1,474	5,822	-1,279	4,530	-2,571
7-C	6,050	5,778	-272	5,637	-413	6,063	123	5,341	-709	6,131	81
7-D	2,939	2,345	-594	2,345	-594	2,672	-269	2,222	-717	3,464	525
7-E	10,158	8,110	-2,048	8,545	-1,613	8,510	-1,655	7,515	-2,643	7,298	-2,860
HSA8	8,549	8,141	-408	7,963	-586	8,192	-176	7,591	-958	9,025	476
Kane	2,609	2,601	-8	2,601	-8	2,475	-63	2,464	-145	2,951	342
Lake	4,913	4,372	-541	4,372	-541	4,654	-152	4,142	-771	4,303	-610
McHenry	1,027	1,169	142	990	-37	1,062	38	985	-42	1,772	745
HSA9	4,449	4,044	-405	4,194	-255	4,305	-273	3,702	-747	5,429	980
Grundy	259	230	-29	211	-48	292	-14	202	-57	313	54
Kankakee	1,368	1,105	-263	1,361	-7	1,026	-523	981	-387	862	-506
Kendall	178	255	77	168	-10	210	32	193	15	528	350
Will	2,644	2,454	-190	2,454	-190	2,777	232	2,325	-319	3,727	1,083
HSA10	2,016	1,779	-237	1,778	-238	1,857	-139	1,672	-344	1,935	-81
Henry	519	436	-83	444	-75	452	-67	408	-111	467	-52
Mercer	189	170	-19	161	-28	181	-8	152	-37	156	-33
Rock Island	1,308	1,173	-135	1,173	-135	1,224	-64	1,112	-196	1,312	4
HSA11	5,431	4,730	-701	4,792	-639	5,369	-483	4,455	-976	4,708	-723
Clinton	417	368	-49	368	-49	400	-10	348	-69	308	-109
Madison	2,254	1,890	-364	1,890	-364	2,262	-74	1,790	-464	2,161	-93
Monroe	324	377	53	439	115	310	-94	331	7	265	-59
St. Clair	2,436	2,095	-341	2,095	-341	2,397	-305	1,985	-451	1,974	-462

Table A9: Existing, Projected, Need, and Excess beds by Health Services and Health Planning Areas: 2007

Projection Horizon/HSA/ HPA	Existing Beds (projection year)	Current Illinois Methodology (60% - 160%; 90%) (CIM-0)		Modified Illinois Current Methodology-1 (base rate used, 90%) (CIM-1)		Modified Illinois Current Methodology-2 (30%- 130%; 90%) (CIM-2)		Modified Illinois Current Methodology-3 (30%- 150%; 95%) (CIM-3)		Ohio Methodology Adapted to Illinois data (State flat rate, 90%) (OMAI)	
		Projected	Need / excess (-)	Projected	Need / excess (-)	Projected	Need / excess (-)	Projected	Need / excess (-)	Projected	Need / excess (-)
2007	108,048	102,078	-5,970	103,144	-4,904	85,457	-20,752	94,956	-13,092	97,375	-10,673
HSA1		6,181	5,961	-220	6,004	-177	5,396	-707	5,583	-598	5,580
Boone		282	323	41	311	29	307	28	295	13	311
Carroll		243	221	-22	221	-22	175	-68	209	-34	188
DeKalb		729	705	-24	680	-49	665	-77	644	-85	606
Jo Daviess		155	203	48	190	35	183	28	180	25	255
Lee		355	382	27	375	20	328	-12	355	0	307
Ogle		553	540	-13	534	-19	462	-91	506	-47	446
Stephenson		633	626	-7	626	-7	555	-78	593	-40	520
Whiteside		822	695	-127	800	-22	625	-197	654	-168	610
Winnebago		2,409	2,266	-143	2,266	-143	2,096	-240	2,147	-262	2,337
HSA2		8,570	8,272	-298	8,223	-347	7,055	-1,455	7,688	-882	6,448
Fulton		734	561	-173	561	-173	519	-201	532	-202	366
Knox		1,015	985	-30	999	-16	732	-233	926	-89	582
LaSalle		1,492	1,396	-96	1,346	-146	1,294	-178	1,277	-215	1,103
McDonough		372	359	-13	346	-26	340	-36	328	-44	297
Peoria		1,819	1,751	-68	1,807	-12	1,497	-325	1,634	-185	1,549
Tazewell		1,392	1,531	139	1,501	109	1,304	-88	1,422	30	1,301
Woodford		599	645	46	648	49	465	-136	604	5	351
Bureau/Putnam		463	424	-39	410	-53	370	-103	389	-74	445
Henderson/Warren		257	266	9	251	-6	252	-10	242	-15	249
Marshall/Stark		427	353	-74	353	-74	281	-146	334	-93	205
HSA3		7,830	7,352	-478	7,478	-352	6,069	-1,777	6,882	-948	5,594
Adams		1,509	1,358	-151	1,479	-30	987	-537	1,268	-241	716
Cass		270	223	-47	219	-51	160	-110	208	-62	137
Christian		516	440	-76	440	-76	402	-114	417	-99	356
Greene		159	162	3	160	1	116	-3	151	-8	164
Hancock		241	265	24	249	8	173	-68	236	-5	221
Jersey		291	372	81	372	81	272	-87	352	61	211
Logan		462	485	23	485	23	392	-76	459	-3	295

Table A9: Existing, Projected, Need, and Excess beds by Health Services and Health Planning Areas: 2007 (continued)

Projection Horizon/HSA/ HPA	Existing Beds (projection year)	Current Illinois Methodology (60% - 160%; 90%) (CIM-0)		Modified Illinois Current Methodology-1 (base rate used, 90%) (CIM-1)		Modified Illinois Current Methodology-2 (30% 130%; 90%) (CIM-2)		Modified Illinois Current Methodology-3 (30% 150%; 95%) (CIM-3)		Ohio Methodology Adapted to Illinois data (State flat rate, 90%) (OMAI)	
		Projected	Need / excess (-)	Projected	Need / excess (-)	Projected	Need / excess (-)	Projected	Need / excess (-)	Projected	Need / excess (-)
Macoupin	737	706	-31	706	-31	588	-156	669	-68	515	-222
Mason	164	148	-16	147	-17	149	-15	139	-25	151	-13
Menard	192	170	-22	164	-28	142	-50	157	-35	101	-91
Montgomery	680	568	-112	593	-87	437	-218	535	-145	321	-359
Sangamon	1,319	1,324	5	1,292	-27	1,264	-55	1,224	-95	1,639	320
Brown/Schuylerville	216	191	-25	191	-25	160	-56	181	-35	145	-71
Calhoun/Pike	336	331	-5	331	-5	277	-60	314	-22	243	-93
Morgan/Scott	738	609	-129	650	-88	550	-172	573	-165	379	-359
HSA4	8,626	8,151	-475	8,286	-340	6,916	-1,700	7,640	-986	6,892	-1,734
Champaign	1,045	1,048	3	1,041	-4	918	-127	986	-59	1,235	190
Clark	273	275	2	272	-1	198	-75	258	-15	200	-73
Dewitt	190	207	17	201	11	146	-44	192	2	171	-19
Douglas	233	236	3	259	26	180	-53	222	-11	204	-29
Edgar	299	321	22	321	22	237	-62	302	3	211	-88
Ford	417	304	-113	377	-40	202	-215	270	-147	152	-265
Iroquois	564	511	-53	511	-53	388	-176	484	-80	346	-218
Livingston	541	550	9	550	9	441	-100	521	-20	366	-175
Macon	1,402	1,303	-99	1,332	-70	1,207	-179	1,226	-176	1,054	-348
McLean	1,105	1,132	27	1,114	9	1,157	45	1,056	-49	1,058	-47
Moultrie	401	320	-81	366	-35	204	-197	285	-116	165	-236
Piatt	160	153	-7	153	-7	166	6	145	-15	137	-23
Shelby	284	262	-22	262	-22	220	-64	248	-36	239	-45
Vermilion	753	707	-46	707	-46	600	-157	669	-84	793	40
Coles/Cumberland	959	821	-138	821	-138	651	-303	774	-185	562	-397
HSA5	8,559	8,031	-528	8,013	-546	5,615	-2,288	7,492	-1,067	6,527	-2,032
Bond	198	192	-6	192	-6	173	-25	182	-16	144	-54
Clay	209	161	-48	161	-48	126	-83	153	-56	157	-52
Crawford	225	239	14	236	11	204	-21	224	-1	207	-18
Effingham	432	405	-27	405	-27	328	-104	384	-48	332	-100
Fayette	359	273	-86	292	-67	231	-128	257	-102	207	-152

Table A9: Existing, Projected, Need, and Excess beds by Health Services and Health Planning Areas: 2007 (continued)

Projection Horizon/HSA/ HPA	Existing Beds (projection year)	Current Illinois Methodology (60% - 160%; 90%) (CIM-0)		Modified Illinois Current Methodology-1 (base rate used, 90%) (CIM-1)		Modified Illinois Current Methodology-2 (30% 130%; 90%) (CIM-2)		Modified Illinois Current Methodology-3 (30% 150%; 95%) (CIM-3)		Ohio Methodology Adapted to Illinois data (State flat rate, 90%) (OMAI)	
		Projected	Need / excess (-)	Projected	Need / excess (-)	Projected	Need / excess (-)	Projected	Need / excess (-)	Projected	Need / excess (-)
Franklin	523	503	-20	523	-0	297	-103	472	-51	473	-50
Jackson	451	375	-76	375	-76	321	-106	355	-96	436	-15
Jasper	92	76	-16	69	-23	62	-30	67	-25	101	9
Jefferson	410	421	11	410	0	332	-14	389	-21	395	-15
Lawrence	465	385	-80	401	-64	174	-291	342	-123	194	-271
Marion	605	685	80	685	80	440	-165	649	44	521	-84
Perry	260	256	-4	248	-12	207	-53	237	-23	203	-57
Randolph	551	641	90	641	90	281	-211	601	50	360	-191
Richland	308	285	-23	285	-23	208	-100	270	-38	180	-128
Union	293	281	-12	285	-8	182	-111	262	-31	211	-82
Washington	263	155	-108	143	-120	148	-115	137	-126	150	-113
Wayne	169	146	-23	137	-32	139	-30	131	-38	173	4
White	399	365	-34	365	-34	204	-151	346	-53	212	-187
Williamson	617	624	7	624	7	464	-153	591	-26	648	31
Alexander/Pulaski	147	136	-11	129	-18	85	-62	125	-22	170	23
Edwards/Wabash	223	149	-74	125	-98	134	-5	119	-104	204	-19
Gallatin/Hamilton/Saline	839	782	-57	786	-53	486	-195	732	-107	476	-363
Hardin/Pope	132	106	-26	106	-26	94	-15	100	-32	94	-38
Johnson/Massac	389	388	-1	388	-1	298	-14	368	-21	280	-109
HSA6	18,156	15,429	-2,727	16,318	-1,838	12,399	-4,924	14,295	-3,861	17,501	-655
6-A	8,215	6,150	-2,065	7,055	-1,160	3,983	-3,751	5,520	-2,695	4,242	-3,973
6-B	4,372	4,308	-64	4,308	-64	4,168	-51	4,082	-290	5,278	906
6-C	5,569	4,971	-598	4,955	-614	4,248	-1,122	4,694	-875	7,981	2,412

Table A9: Existing, Projected, Need, and Excess beds by Health Services and Health Planning Areas: 2007 (continued)

Projection Horizon/HSA/ HPA	Existing Beds (projection year)	Current Illinois Methodology (60% - 160%; 90%) (CIM-0)		Modified Illinois Current Methodology-1 (base rate used, 90%) (CIM-1)		Modified Illinois Current Methodology-2 (30% 130%; 90%) (CIM-2)		Modified Illinois Current Methodology-3 (30% 150%; 95%) (CIM-3)		Ohio Methodology Adapted to Illinois data (State flat rate, 90%) (OMAI)	
		Projected	Need / excess (-)	Projected	Need / excess (-)	Projected	Need / excess (-)	Projected	Need / excess (-)	Projected	Need / excess (-)
HSA7	29,332	28,365	-967	28,252	-1,080	23,939	-5,524	26,161	-3,171	28,147	-1,185
7-A	3,063	3,606	543	3,090	27	3,495	280	3,093	30	4,597	1,534
7-B	7,223	6,678	-545	6,760	-463	5,107	-1,994	6,261	-962	5,041	-2,182
7-C	5,940	6,063	123	5,875	-65	5,778	-272	5,566	-374	6,374	434
7-D	2,941	2,672	-269	2,672	-269	2,345	-594	2,532	-409	3,875	934
7-E	10,165	9,346	-819	9,854	-311	7,214	-2,944	8,709	-1,456	8,259	-1,906
HSA8	8,368	8,367	-1	8,246	-122	8,042	-507	7,836	-532	8,542	174
Kane	2,538	2,475	-63	2,475	-63	2,513	-96	2,345	-193	2,700	162
Lake	4,806	4,830	24	4,830	24	4,361	-552	4,576	-230	4,192	-614
McHenry	1,024	1,062	38	941	-83	1,169	142	916	-108	1,649	625
HSA9	4,578	4,637	59	4,816	238	3,733	-716	4,328	-250	5,148	570
Grundy	306	300	-6	290	-16	230	-29	274	-32	292	-14
Kankakee	1,549	1,349	-200	1,596	47	794	-574	1,257	-292	927	-622
Kendall	178	210	32	154	-24	255	77	166	-12	354	176
Will	2,545	2,777	232	2,777	232	2,454	-190	2,631	86	3,576	1,031
HSA10	1,996	1,885	-111	1,885	-111	1,731	-285	1,785	-211	2,056	60
Henry	519	452	-67	452	-67	413	-106	428	-91	501	-18
Mercer	189	209	20	209	20	144	-45	197	8	171	-18
Rock Island	1,288	1,224	-64	1,224	-64	1,173	-135	1,160	-128	1,384	96
HSA11	5,852	5,627	-225	5,623	-229	4,562	-869	5,267	-585	4,940	-912
Clinton	410	404	-6	404	-6	335	-82	383	-27	323	-87
Madison	2,336	2,262	-74	2,243	-93	1,890	-364	2,125	-211	2,282	-54
Monroe	404	413	9	427	23	287	-37	362	-42	262	-142
St. Clair	2,702	2,549	-153	2,549	-153	2,050	-386	2,397	-305	2,074	-628

Table A10: Existing, Projected, Need, and Excess beds by Health Services and Health Planning Areas: 2005

Projection Horizon/HSA/ HPA	Existing Beds (projection year)	Current Illinois Methodology (60% - 160%; 90%) (CIM-0)		Modified Illinois Current Methodology-1 (base rate used, 90%) (CIM-1)		Modified Illinois Current Methodology-2 (30% 130%; 90%) (CIM-2)		Modified Illinois Current Methodology-3 (30% 150%; 95%) (CIM-3)		Ohio Methodology Adapted to Illinois data (State flat rate, 90%) (OMAI)	
		Projected	Need / excess (-)	Projected	Need / excess (-)	Projected	Need / excess (-)	Projected	Need / excess (-)	Projected	Need / excess (-)
2005	109,949	102,609	-7,340	103,428	-6,521	85,420	-17,494	95,401	-14,548	99,518	-10,431
HSA1	6,317	6,203	-114	6,244	-73	5,148	-1,023	5,821	-496	5,718	-599
Boone	280	320	40	309	29	274	-5	292	12	322	42
Carroll	243	200	-43	200	-43	146	-24	189	-54	182	-61
DeKalb	733	785	52	763	30	618	-124	723	-10	650	-83
Jo Daviess	155	177	22	167	12	171	16	159	4	246	91
Lee	465	430	-35	430	-35	305	-37	407	-58	325	-140
Ogle	554	543	-11	533	-21	459	-76	505	-49	461	-93
Stephenson	586	597	11	597	11	538	-125	566	-20	513	-73
Whiteside	840	788	-52	883	43	598	-224	742	-98	630	-210
Winnebago	2,461	2,363	-98	2,363	-98	2,038	-425	2,238	-223	2,390	-71
HSA2	8,734	8,316	-418	8,296	-438	6,743	-1,403	7,765	-969	6,747	-1,987
Fulton	742	586	-156	586	-156	482	-190	555	-187	434	-308
Knox	1,141	1,038	-103	1,055	-86	678	-287	976	-165	614	-527
LaSalle	1,346	1,444	98	1,400	54	1,275	-144	1,326	-20	1,169	-177
McDonough	388	385	-3	373	-15	320	-56	354	-34	304	-84
Peoria	1,869	1,782	-87	1,817	-52	1,476	-260	1,665	-204	1,677	-192
Tazewell	1,401	1,318	-83	1,318	-83	1,204	-89	1,248	-153	1,220	-181
Woodford	599	697	98	707	108	445	-149	652	53	381	-218
Bureau/Putnam	478	404	-74	390	-88	369	-78	369	-109	469	-9
Henderson/Warren	352	277	-75	265	-87	228	11	253	-99	247	-105
Marshall/Stark	418	387	-31	387	-31	266	-161	366	-52	232	-186
HSA3	8,110	7,327	-783	7,392	-718	5,691	-1,673	6,883	-1,227	5,753	-2,357
Adams	1,505	1,436	-69	1,475	-30	923	-572	1,351	-154	771	-734
Cass	270	177	-93	176	-94	149	-1	167	-103	134	-136
Christian	517	492	-25	492	-25	391	-81	466	-51	382	-135
Greene	159	156	-3	151	-8	107	-12	143	-16	156	-3
Hancock	245	208	-37	199	-46	155	-86	188	-57	214	-31
Jersey	339	317	-22	317	-22	256	-113	301	-38	203	-136
Logan	459	384	-75	383	-76	370	-98	363	-96	293	-166

Table A10: Existing, Projected, Need, and Excess beds by Health Services and Health Planning Areas: 2005 (continued)

Projection Horizon/HSA/ HPA	Existing Beds (projection year)	Current Illinois Methodology (60% - 160%; 90%) (CIM-0)		Modified Illinois Current Methodology-1 (base rate used, 90%) (CIM-1)		Modified Illinois Current Methodology-2 (30% 130%; 90%) (CIM-2)		Modified Illinois Current Methodology-3 (30% 150%; 95%) (CIM-3)		Ohio Methodology Adapted to Illinois data (State flat rate, 90%) (OMAI)	
		Projected	Need / excess (-)	Projected	Need / excess (-)	Projected	Need / excess (-)	Projected	Need / excess (-)	Projected	Need / excess (-)
Macoupin	737	799	62	805	68	555	-189	753	16	537	-200
Mason	164	169	5	165	1	158	-6	156	-8	178	14
Menard	192	174	-18	171	-21	142	-50	161	-31	103	-89
Montgomery	690	537	-153	565	-125	406	-84	506	-184	322	-368
Sangamon	1,515	1,385	-130	1,370	-145	1,162	-92	1,298	-217	1,657	142
Brown/Schuylerville	216	168	-48	168	-48	147	-68	159	-57	134	-82
Calhoun/Pike	364	330	-34	330	-34	278	-59	313	-51	267	-97
Morgan/Scott	738	593	-145	624	-114	492	-162	558	-180	404	-334
HSA4	8,758	8,150	-608	8,294	-464	6,792	-1,411	7,648	-1,110	7,013	-1,745
Champaign	1,093	1,111	18	1,111	18	920	12	1,053	-40	1,279	186
Clark	273	259	-14	255	-18	193	-62	242	-31	190	-83
Dewitt	219	203	-16	200	-19	153	-37	190	-29	169	-50
Douglas	234	242	8	269	35	180	-53	227	-7	206	-28
Edgar	299	277	-22	277	-22	198	-101	262	-37	213	-86
Ford	408	357	-51	424	16	195	-232	318	-90	183	-225
Iroquois	576	540	-36	540	-36	360	-126	512	-64	352	-224
Livingston	533	597	64	597	64	419	-131	566	33	378	-155
Macon	1,416	1,247	-169	1,284	-132	1,216	-15	1,173	-243	1,066	-350
McLean	1,105	1,116	11	1,098	-7	1,148	30	1,040	-65	1,030	-75
Moultrie	410	295	-115	332	-78	198	-171	263	-147	156	-254
Piatt	160	187	27	187	27	157	-3	178	18	161	1
Shelby	300	259	-41	258	-42	222	-43	244	-56	241	-59
Vermilion	788	691	-97	691	-97	591	-182	655	-133	830	42
Coles/Cumberland	944	769	-175	769	-175	643	-296	726	-218	559	-385
HSA5	8,692	7,686	-1,006	7,695	-997	5,556	-1,918	7,202	-1,490	6,479	-2,213
Bond	221	154	-67	154	-67	167	-31	146	-75	152	-69
Clay	209	160	-49	156	-53	121	-88	149	-60	173	-36
Crawford	245	190	-55	190	-55	209	-11	180	-65	188	-57
Effingham	442	407	-35	406	-36	343	-89	385	-57	322	-120
Fayette	359	280	-79	283	-76	225	-36	264	-95	211	-148

Table A10: Existing, Projected, Need, and Excess beds by Health Services and Health Planning Areas: 2005 (continued)

Projection Horizon/HSA/ HPA	Existing Beds (projection year)	Current Illinois Methodology (60% - 160%; 90%) (CIM-0)		Modified Illinois Current Methodology-1 (base rate used, 90%) (CIM-1)		Modified Illinois Current Methodology-2 (30% 130%; 90%) (CIM-2)		Modified Illinois Current Methodology-3 (30% 150%; 95%) (CIM-3)		Ohio Methodology Adapted to Illinois data (State flat rate, 90%) (OMAI)	
		Projected	Need / excess (-)	Projected	Need / excess (-)	Projected	Need / excess (-)	Projected	Need / excess (-)	Projected	Need / excess (-)
Franklin	523	436	-87	438	-85	302	-88	410	-113	466	-57
Jackson	451	413	-38	413	-38	328	-99	391	-60	443	-8
Jasper	92	79	-13	72	-20	67	-15	71	-21	106	14
Jefferson	424	391	-33	391	-33	328	-18	370	-54	397	-27
Lawrence	380	383	3	406	26	172	-188	340	-40	199	-181
Marion	607	577	-30	587	-20	454	-151	543	-64	437	-170
Perry	260	237	-23	224	-36	173	-37	212	-48	230	-30
Randolph	603	534	-69	534	-69	279	-213	506	-97	336	-267
Richland	307	273	-34	270	-37	215	-94	256	-51	170	-137
Union	293	283	-10	286	-7	176	-117	265	-28	201	-92
Washington	263	190	-73	187	-76	150	-113	178	-85	155	-108
Wayne	169	163	-6	152	-17	141	-28	146	-23	191	22
White	401	350	-51	350	-51	202	-153	332	-69	205	-196
Williamson	630	662	32	662	32	444	-99	627	-3	671	41
Alexander/Pulaski	147	137	-10	133	-14	82	-1	126	-21	169	22
Edwards/Wabash	293	223	-70	221	-72	146	7	210	-83	223	-70
Gallatin/Hamilton/Saline	839	726	-113	737	-102	471	-192	684	-155	472	-367
Hardin/Pope	132	122	-10	124	-8	84	-29	114	-18	99	-33
Johnson/Massac	402	318	-84	318	-84	274	-38	301	-101	262	-140
HSA6	18,373	15,497	-2,876	16,210	-2,163	12,889	-3,628	14,210	-4,163	18,636	263
6-A	8,175	6,222	-1,953	7,122	-1,053	4,099	-3,201	5,600	-2,575	4,637	-3,538
6-B	4,586	4,312	-274	4,312	-274	4,155	-23	4,085	-501	5,565	979
6-C	5,612	4,963	-649	4,776	-836	4,636	-403	4,524	-1,088	8,434	2,822
HSA7	29,581	28,243	-1,338	28,095	-1,486	24,359	-3,949	26,055	-3,526	28,154	-1,427
7-A	2,963	3,454	491	2,956	-7	3,817	487	2,940	-23	4,417	1,454
7-B	7,315	6,449	-866	6,645	-670	5,144	-1,955	6,053	-1,262	4,996	-2,319
7-C	5,992	6,520	528	6,321	329	5,752	-234	5,988	-4	6,703	711
7-D	3,127	2,689	-438	2,689	-438	2,492	-412	2,547	-580	3,937	810
7-E	10,184	9,132	-1,052	9,485	-699	7,154	-1,835	8,527	-1,657	8,101	-2,083

Table A10: Existing, Projected, Need, and Excess beds by Health Services and Health Planning Areas: 2005 (continued)

Projection Horizon/HSA/ HPA	Existing Beds (projection year)	Current Illinois Methodology (60% - 160%; 90%) (CIM-0)		Modified Illinois Current Methodology-1 (base rate used, 90%) (CIM-1)		Modified Illinois Current Methodology-2 (30% 130%; 90%) (CIM-2)		Modified Illinois Current Methodology-3 (30% 150%; 95%) (CIM-3)		Ohio Methodology Adapted to Illinois data (State flat rate, 90%) (OMAI)	
		Projected	Need / excess (-)	Projected	Need / excess (-)	Projected	Need / excess (-)	Projected	Need / excess (-)	Projected	Need / excess (-)
HSA8	8,467	8,424	-43	8,288	-179	8,462	-388	7,869	-598	8,433	-34
Kane	2,622	2,663	41	2,663	41	2,646	-347	2,523	-99	2,754	132
Lake	4,829	4,720	-109	4,720	-109	4,609	-216	4,472	-357	4,070	-759
McHenry	1,016	1,040	24	904	-112	1,207	175	874	-142	1,609	593
HSA9	4,539	4,889	350	5,055	516	3,777	-851	4,562	23	5,301	762
Grundy	307	351	44	341	34	223	-42	323	16	341	34
Kankakee	1,549	1,287	-262	1,531	-18	762	-606	1,198	-351	900	-649
Kendall	178	300	122	233	55	235	50	245	67	450	272
Will	2,505	2,950	445	2,950	445	2,557	-253	2,795	290	3,609	1,104
HSA10	2,084	1,906	-178	1,905	-179	1,682	-348	1,804	-280	2,142	58
Henry	599	469	-130	469	-130	406	-112	444	-155	528	-71
Mercer	205	213	8	212	7	152	-34	201	-4	170	-35
Rock Island	1,280	1,224	-56	1,224	-56	1,124	-202	1,159	-121	1,443	163
HSA11	6,294	5,969	-325	5,955	-339	4,320	-903	5,582	-712	5,143	-1,151
Clinton	408	377	-31	377	-31	311	-95	357	-51	322	-86
Madison	2,512	2,404	-108	2,378	-134	1,816	-383	2,253	-259	2,390	-122
Monroe	404	404	-0	415	11	277	-47	358	-46	251	-153
St. Clair	2,970	2,785	-185	2,785	-185	1,915	-379	2,615	-355	2,180	-790

Table A11: Existing, Projected, Need, and Excess beds by Health Services and Health Planning Areas: 2002

Projection Horizon/HSA/ HPA	Existing Beds (projection year)	Current Illinois Methodology (60% - 160%; 90%) (CIM-0)		Modified Illinois Current Methodology-1 (base rate used, 90%) (CIM-1)		Modified Illinois Current Methodology-2 (30% 130%; 90%) (CIM-2)		Modified Illinois Current Methodology-3 (30% 150%; 95%) (CIM-3)		Ohio Methodology Adapted to Illinois data (State flat rate, 90%) (OMAI)	
		Projected	Need / excess (-)	Projected	Need / excess (-)	Projected	Need / excess (-)	Projected	Need / excess (-)	Projected	Need / excess (-)
2002	112,194	96,633	-15,561	97,767	-14,427	84,851	-16,597	89,792	-22,402	101,307	-10,887
HSA1	6,407	5,964	-443	6,033	-374	5,051	-1,021	5,610	-797	5,874	-533
Boone	348	327	-21	305	-43	334	55	292	-56	288	-60
Carroll	270	252	-18	252	-18	126	-22	239	-31	217	-53
DeKalb	733	666	-67	666	-67	614	-128	631	-102	669	-64
Jo Daviess	155	181	26	173	18	161	6	164	9	245	90
Lee	465	447	-18	447	-18	280	-62	422	-43	375	-90
Ogle	559	500	-59	495	-64	440	-95	469	-90	491	-68
Stephenson	588	558	-30	558	-30	503	-159	528	-60	517	-71
Whiteside	840	681	-159	783	-57	573	-270	636	-204	619	-221
Winnebago	2,449	2,354	-95	2,354	-95	2,021	-345	2,230	-219	2,452	3
HSA2	8,883	8,156	-727	8,219	-664	6,831	-1,074	7,595	-1,288	7,318	-1,565
Fulton	740	542	-198	543	-197	503	-100	506	-234	451	-289
Knox	1,123	958	-165	1,086	-37	737	-213	890	-233	676	-447
LaSalle	1,372	1,261	-111	1,261	-111	1,297	-92	1,195	-177	1,225	-147
McDonough	415	414	-1	374	-41	345	-31	370	-45	336	-79
Peoria	1,958	1,832	-126	1,832	-126	1,503	-228	1,736	-222	1,777	-181
Tazewell	1,414	1,289	-125	1,289	-125	1,169	-77	1,221	-193	1,356	-58
Woodford	599	615	16	651	52	453	-139	549	-50	382	-217
Bureau/Putnam	508	487	-21	454	-54	373	-0	436	-72	517	9
Henderson/Warren	336	357	21	340	4	201	-17	322	-14	334	-2
Marshall/Stark	418	401	-17	389	-29	250	-177	369	-49	265	-153
HSA3	8,333	7,308	-1,025	7,399	-934	5,684	-1,415	6,807	-1,526	6,254	-2,079
Adams	1,503	1,402	-101	1,469	-34	917	-578	1,256	-247	822	-681
Cass	282	216	-66	216	-66	129	-21	205	-77	152	-130
Christian	570	495	-75	495	-75	425	-47	469	-101	414	-156
Greene	159	124	-35	115	-44	102	-17	110	-49	171	12
Hancock	245	205	-40	205	-40	165	-19	194	-51	252	7
Jersey	323	337	14	337	14	257	-112	319	-4	223	-100
Logan	517	445	-72	481	-36	367	-101	417	-100	350	-167

Table A11: Existing, Projected, Need, and Excess beds by Health Services and Health Planning Areas: 2002 (continued)

Projection Horizon/HSA/ HPA	Existing Beds (projection year)	Current Illinois Methodology (60% - 160%; 90%) (CIM-0)		Modified Illinois Current Methodology-1 (base rate used, 90%) (CIM-1)		Modified Illinois Current Methodology-2 (30% 130%; 90%) (CIM-2)		Modified Illinois Current Methodology-3 (30% 150%; 95%) (CIM-3)		Ohio Methodology Adapted to Illinois data (State flat rate, 90%) (OMAI)	
		Projected	Need / excess (-)	Projected	Need / excess (-)	Projected	Need / excess (-)	Projected	Need / excess (-)	Projected	Need / excess (-)
Macoupin	857	769	-88	769	-88	593	-151	729	-128	573	-284
Mason	164	138	-26	127	-37	145	-19	120	-44	173	9
Menard	192	163	-29	150	-42	150	44	147	-45	123	-69
Montgomery	690	578	-112	582	-108	369	-121	543	-147	361	-329
Sangamon	1,500	1,359	-141	1,359	-141	1,171	-83	1,288	-212	1,755	255
Brown/Schuylerville	216	196	-20	194	-22	152	-34	184	-32	154	-62
Calhoun/Pike	365	286	-79	286	-79	292	-45	271	-94	285	-80
Morgan/Scott	750	594	-156	613	-137	448	-113	555	-195	448	-302
HSA4	9,091	8,582	-509	8,636	-455	6,649	-1,581	8,004	-1,087	7,622	-1,469
Champaign	1,151	1,099	-52	1,099	-52	874	-34	1,041	-110	1,252	101
Clark	293	253	-40	247	-46	190	-65	234	-59	204	-89
Dewitt	163	230	67	229	66	169	-21	217	54	193	30
Douglas	313	308	-5	326	13	172	-61	287	-26	237	-76
Edgar	289	283	-6	289	-0	213	-86	265	-24	254	-35
Ford	400	347	-53	383	-17	198	-236	310	-90	198	-202
Iroquois	576	498	-78	505	-71	379	-107	468	-108	394	-182
Livingston	584	538	-46	529	-55	431	-119	501	-83	422	-162
Macon	1,400	1,383	-17	1,383	-17	1,131	-122	1,310	-90	1,194	-206
McLean	1,137	1,296	159	1,244	107	1,020	-98	1,178	41	1,124	-13
Moultrie	497	386	-111	412	-85	190	-171	343	-154	207	-290
Piatt	160	154	-6	154	-6	166	6	146	-14	161	1
Shelby	300	239	-61	239	-61	207	-58	226	-74	247	-53
Vermilion	827	763	-64	763	-64	671	-108	723	-104	908	81
Coles/Cumberland	1,001	804	-197	833	-168	639	-300	753	-248	626	-375
HSA5	9,222	7,766	-1,456	7,882	-1,340	5,572	-1,707	7,199	-2,023	6,888	-2,334
Bond	258	179	-79	173	-85	148	-50	164	-94	173	-85
Clay	209	150	-59	182	-27	134	-75	136	-73	165	-44
Crawford	245	191	-54	191	-54	202	-18	181	-64	225	-20
Effingham	503	363	-140	355	-148	338	-94	337	-166	300	-203
Fayette	347	263	-84	263	-84	188	-73	250	-97	238	-109

Table A11: Existing, Projected, Need, and Excess beds by Health Services and Health Planning Areas: 2002 (continued)

Projection Horizon/HSA/ HPA	Existing Beds (projection year)	Current Illinois Methodology (60% - 160%; 90%) (CIM-0)		Modified Illinois Current Methodology-1 (base rate used, 90%) (CIM-1)		Modified Illinois Current Methodology-2 (30%- 130%; 90%) (CIM-2)		Modified Illinois Current Methodology-3 (30%- 150%; 95%) (CIM-3)		Ohio Methodology Adapted to Illinois data (State flat rate, 90%) (OMAI)	
		Projected	Need / excess (-)	Projected	Need / excess (-)	Projected	Need / excess (-)	Projected	Need / excess (-)	Projected	Need / excess (-)
Franklin	521	430	-91	430	-91	320	-70	407	-114	494	-27
Jackson	520	460	-60	460	-60	293	-76	436	-84	497	-23
Jasper	92	97	5	85	-7	64	7	84	-8	114	22
Jefferson	424	399	-25	389	-35	305	-41	369	-55	410	-14
Lawrence	511	396	-115	426	-85	178	-162	368	-143	233	-278
Marion	668	590	-78	590	-78	463	-140	555	-113	433	-235
Perry	269	270	1	253	-16	169	-41	240	-29	231	-38
Randolph	611	571	-40	564	-47	265	-225	512	-99	375	-236
Richland	309	213	-96	213	-96	210	-99	199	-110	162	-147
Union	293	215	-78	281	-12	209	-84	193	-100	210	-83
Washington	257	218	-39	234	-23	151	-112	203	-54	181	-76
Wayne	169	142	-27	136	-33	148	-21	129	-40	187	18
White	401	333	-68	368	-33	205	-146	300	-101	206	-195
Williamson	700	564	-136	564	-136	501	-42	534	-166	647	-53
Alexander/Pulaski	147	158	11	144	-3	88	5	137	-10	222	75
Edwards/Wabash	293	212	-81	212	-81	146	7	200	-93	205	-88
Gallatin/Hamilton/Saline	950	828	-122	844	-106	488	-102	768	-182	542	-408
Hardin/Pope	132	133	1	133	1	89	-24	126	-6	124	-8
Johnson/Massac	393	392	-1	392	-1	273	-28	371	-22	315	-78
HSA6	18,759	15,325	-3,434	15,989	-2,770	12,914	-3,249	14,099	-4,660	21,099	2,340
6-A	8,219	6,358	-1,861	7,283	-936	4,058	-3,136	5,851	-2,368	5,833	-2,386
6-B	4,734	4,281	-453	4,281	-453	4,144	-34	4,055	-679	5,746	1,012
6-C	5,806	4,686	-1,120	4,426	-1,380	4,712	-79	4,193	-1,613	9,520	3,714
HSA7	29,931	24,705	-5,226	24,545	-5,386	24,543	-3,632	22,794	-7,137	26,368	-3,563
7-A	3,161	2,784	-377	2,447	-714	3,758	435	2,318	-843	4,008	847
7-B	7,304	5,567	-1,737	5,777	-1,527	5,108	-1,671	5,215	-2,089	4,592	-2,712
7-C	5,981	5,588	-393	5,582	-399	5,902	-131	5,288	-693	5,772	-209
7-D	3,292	2,520	-772	2,421	-871	2,444	-460	2,293	-999	4,394	1,102
7-E	10,193	8,246	-1,947	8,318	-1,875	7,331	-1,805	7,679	-2,514	7,602	-2,591

Table A11: Existing, Projected, Need, and Excess beds by Health Services and Health Planning Areas: 2002 (continued)

Projection Horizon/HSA/ HPA	Existing Beds (projection year)	Current Illinois Methodology (60% - 160%; 90%) (CIM-0)		Modified Illinois Current Methodology-1 (base rate used, 90%) (CIM-1)		Modified Illinois Current Methodology-2 (30% 130%; 90%) (CIM-2)		Modified Illinois Current Methodology-3 (30% 150%; 95%) (CIM-3)		Ohio Methodology Adapted to Illinois data (State flat rate, 90%) (OMAI)	
		Projected	Need / excess (-)	Projected	Need / excess (-)	Projected	Need / excess (-)	Projected	Need / excess (-)	Projected	Need / excess (-)
HSA8	8,402	7,354	-1,048	7,299	-1,103	7,484	-1,280	6,915	-1,487	7,809	-593
Kane	2,630	2,312	-318	2,312	-318	2,350	-714	2,190	-440	2,494	-136
Lake	4,744	4,122	-622	4,122	-622	4,061	-602	3,905	-839	3,750	-994
McHenry	1,028	920	-108	865	-163	1,074	37	820	-208	1,565	537
HSA9	4,509	4,021	-488	4,265	-244	4,000	-658	3,745	-764	4,493	-16
Grundy	289	307	18	292	3	255	-10	277	-12	327	38
Kankakee	1,509	1,051	-458	1,366	-143	796	-572	976	-533	931	-578
Kendall	178	205	27	149	-29	278	93	164	-14	306	128
Will	2,533	2,458	-75	2,458	-75	2,671	-169	2,328	-205	2,929	396
HSA10	2,124	1,773	-351	1,772	-352	1,767	-247	1,678	-446	2,287	163
Henry	608	503	-105	502	-106	446	-54	475	-133	592	-16
Mercer	213	180	-33	180	-33	144	-28	170	-43	184	-29
Rock Island	1,303	1,090	-213	1,090	-213	1,177	-165	1,033	-270	1,511	208
HSA11	6,533	5,678	-855	5,727	-806	4,355	-734	5,347	-1,186	5,295	-1,238
Clinton	407	394	-13	396	-11	314	-43	366	-41	329	-78
Madison	2,695	2,324	-371	2,324	-371	1,815	-378	2,202	-493	2,349	-346
Monroe	394	338	-56	385	-9	268	18	295	-99	234	-160
St. Clair	3,037	2,622	-415	2,622	-415	1,958	-331	2,484	-553	2,382	-655

Table A12: Existing, Projected, Need, and Excess beds by Health Services and Health Planning Areas: 2000

Projection Horizon/HSA/ HPA	Existing Beds (projection year)	Current Illinois Methodology (60% - 160%; 90%) (CIM-0)		Modified Illinois Current Methodology-1 (base rate used, 90%) (CIM-1)		Modified Illinois Current Methodology-2 (30% 130%; 90%) (CIM-2)		Modified Illinois Current Methodology-3 (30% 150%; 95%) (CIM-3)		Ohio Methodology Adapted to Illinois data (State flat rate, 90%) (OMAI)	
		Projected	Need / excess (-)	Projected	Need / excess (-)	Projected	Need / excess (-)	Projected	Need / excess (-)	Projected	Need / excess (-)
2000	112,400	97,373	-15,027	97,532	-14,868	83,226	-17,566	90,151	-22,249	99,864	-12,536
HSA1	6,415	6,076	-339	6,107	-308	5,287	-787	5,709	-706	5,787	-628
Boone	349	329	-20	328	-21	361	82	310	-39	277	-72
Carroll	270	269	-1	269	-1	130	-25	255	-15	225	-45
DeKalb	733	604	-129	587	-146	632	-110	556	-177	611	-122
Jo Daviess	158	199	41	180	22	177	22	177	19	259	101
Lee	465	453	-12	448	-17	274	-68	424	-41	353	-112
Ogle	576	513	-63	506	-70	525	-40	479	-97	468	-108
Stephenson	580	602	22	599	19	522	-115	567	-13	543	-37
Whiteside	847	748	-99	833	-14	568	-289	705	-142	626	-221
Winnebago	2,437	2,358	-79	2,358	-79	2,099	-243	2,234	-203	2,425	-12
HSA2	8,857	8,373	-484	8,360	-497	6,510	-1,427	7,815	-1,042	7,373	-1,484
Fulton	730	592	-138	612	-118	435	-168	558	-172	474	-256
Knox	1,113	1,024	-89	1,038	-75	689	-261	958	-155	667	-446
LaSalle	1,389	1,340	-49	1,299	-90	1,223	-168	1,241	-148	1,252	-137
McDonough	415	398	-17	383	-32	320	-40	368	-47	335	-80
Peoria	1,948	1,874	-74	1,911	-37	1,480	-285	1,759	-189	1,874	-74
Tazewell	1,414	1,310	-104	1,301	-113	1,128	-128	1,232	-182	1,299	-115
Woodford	596	615	19	621	25	439	-151	562	-34	360	-236
Bureau/Putnam	508	459	-49	444	-64	385	8	424	-84	507	-1
Henderson/Warren	336	376	40	368	32	168	-50	349	13	341	5
Marshall/Stark	408	384	-24	383	-25	242	-185	363	-45	262	-146
HSA3	8,439	7,629	-810	7,622	-817	5,298	-1,821	7,097	-1,342	6,379	-2,060
Adams	1,620	1,573	-47	1,573	-47	814	-685	1,425	-195	852	-768
Cass	282	282	0	291	9	145	-5	261	-21	156	-126
Christian	570	508	-62	508	-62	373	-99	482	-88	426	-144
Greene	166	155	-11	147	-19	115	-4	141	-25	185	19
Hancock	245	229	-16	228	-17	150	-34	216	-29	269	24
Jersey	323	361	38	361	38	265	-104	334	11	209	-114
Logan	517	475	-42	475	-42	342	-126	450	-67	352	-165

Table A12: Existing, Projected, Need, and Excess beds by Health Services and Health Planning Areas: 2000 (continued)

Projection Horizon/HSA/ HPA	Existing Beds (projection year)	Current Illinois Methodology (60% - 160%; 90%) (CIM-0)		Modified Illinois Current Methodology-1 (base rate used, 90%) (CIM-1)		Modified Illinois Current Methodology-2 (30%- 130%; 90%) (CIM-2)		Modified Illinois Current Methodology-3 (30%- 150%; 95%) (CIM-3)		Ohio Methodology Adapted to Illinois data (State flat rate, 90%) (OMAI)	
		Projected	Need / excess (-)	Projected	Need / excess (-)	Projected	Need / excess (-)	Projected	Need / excess (-)	Projected	Need / excess (-)
Macoupin	847	781	-66	781	-66	491	-253	740	-107	571	-276
Mason	164	151	-13	147	-17	120	-44	139	-25	185	21
Menard	192	178	-14	178	-14	114	8	168	-24	118	-74
Montgomery	690	571	-119	591	-99	349	-141	536	-154	366	-324
Sangamon	1,490	1,360	-130	1,330	-160	1,162	-108	1,260	-230	1,780	290
Brown/Schuylerville	216	186	-30	186	-30	147	-39	176	-40	156	-60
Calhoun/Pike	367	229	-138	227	-140	264	-73	215	-152	306	-61
Morgan/Scott	750	587	-163	598	-152	448	-113	554	-196	449	-301
HSA4	9,304	8,555	-749	8,657	-647	6,312	-1,868	8,028	-1,276	7,588	-1,716
Champaign	1,151	1,096	-55	1,090	-61	888	-20	1,033	-118	1,197	46
Clark	293	260	-33	259	-34	194	-51	246	-47	210	-83
Dewitt	223	206	-17	204	-19	176	-14	194	-29	197	-26
Douglas	317	277	-40	305	-12	193	-40	259	-58	230	-87
Edgar	289	268	-21	268	-21	226	-73	254	-35	251	-38
Ford	400	377	-23	385	-15	166	-268	336	-64	205	-195
Iroquois	576	527	-49	527	-49	360	-126	499	-77	394	-182
Livingston	600	531	-69	529	-71	383	-135	501	-99	414	-186
Macon	1,400	1,396	-4	1,423	23	999	-254	1,317	-83	1,215	-185
McLean	1,281	1,142	-139	1,129	-152	1,012	-124	1,070	-211	1,064	-217
Moultrie	497	357	-140	413	-84	171	-190	317	-180	191	-306
Piatt	160	156	-4	157	-3	151	-9	147	-13	161	1
Shelby	300	268	-32	263	-37	175	-84	251	-49	261	-39
Vermilion	803	841	38	841	38	590	-169	797	-6	971	168
Coles/Cumberland	1,014	856	-158	862	-152	629	-310	808	-206	627	-387
HSA5	9,254	7,994	-1,260	8,044	-1,210	5,521	-1,431	7,469	-1,785	7,054	-2,200
Bond	258	207	-51	203	-55	117	27	193	-65	187	-71
Clay	209	166	-43	166	-43	121	-88	157	-52	169	-40
Crawford	245	210	-35	198	-47	158	-8	188	-57	230	-15
Effingham	503	358	-145	358	-145	341	-93	339	-164	309	-194
Fayette	347	277	-70	277	-70	187	-74	262	-85	240	-107

Table A12: Existing, Projected, Need, and Excess beds by Health Services and Health Planning Areas: 2000 (continued)

Projection Horizon/HSA/ HPA	Existing Beds (projection year)	Current Illinois Methodology (60% - 160%; 90%) (CIM-0)		Modified Illinois Current Methodology-1 (base rate used, 90%) (CIM-1)		Modified Illinois Current Methodology-2 (30% 130%; 90%) (CIM-2)		Modified Illinois Current Methodology-3 (30% 150%; 95%) (CIM-3)		Ohio Methodology Adapted to Illinois data (State flat rate, 90%) (OMAI)	
		Projected	Need / excess (-)	Projected	Need / excess (-)	Projected	Need / excess (-)	Projected	Need / excess (-)	Projected	Need / excess (-)
Franklin	521	425	-96	444	-77	314	-76	400	-121	517	-4
Jackson	516	522	6	550	34	288	-81	483	-33	485	-31
Jasper	92	89	-3	82	-10	59	2	79	-13	115	23
Jefferson	424	396	-28	392	-32	300	-36	371	-53	413	-11
Lawrence	549	401	-148	438	-111	164	-176	357	-192	219	-330
Marion	668	606	-62	606	-62	442	-67	574	-94	451	-217
Perry	269	216	-53	203	-66	155	-55	195	-74	232	-37
Randolph	611	565	-46	565	-46	336	-154	536	-75	370	-241
Richland	307	228	-79	228	-79	202	-107	216	-91	177	-130
Union	293	231	-62	233	-60	214	-79	216	-77	225	-68
Washington	257	247	-10	247	-10	152	-111	234	-23	184	-73
Wayne	169	140	-29	127	-42	155	-14	122	-47	199	30
White	401	380	-21	380	-21	193	-158	353	-48	224	-177
Williamson	700	576	-124	576	-124	530	-25	546	-154	663	-37
Alexander/Pulaski	147	165	18	159	12	87	4	153	6	232	85
Edwards/Wabash	293	257	-36	257	-36	138	9	243	-50	219	-74
Gallatin/Hamilton/Saline	950	825	-125	848	-102	473	-105	772	-178	550	-400
Hardin/Pope	132	115	-17	115	-17	94	32	109	-23	116	-16
Johnson/Massac	393	393	-0	393	-0	303	4	372	-21	331	-62
HSA6	18,717	16,158	-2,559	16,462	-2,255	11,887	-4,276	14,755	-3,962	22,715	3,998
6-A	8,214	6,552	-1,662	7,286	-928	3,758	-3,427	6,061	-2,153	6,418	-1,796
6-B	4,707	4,649	-58	4,649	-58	3,754	-440	4,405	-302	5,975	1,268
6-C	5,796	4,957	-839	4,527	-1,269	4,375	-409	4,289	-1,507	10,321	4,525
HSA7	29,840	23,677	-6,163	23,330	-6,510	24,469	-3,610	21,575	-8,265	24,114	-5,726
7-A	2,964	2,569	-395	2,190	-774	3,789	468	2,204	-760	3,372	408
7-B	7,283	5,472	-1,811	5,752	-1,531	5,040	-1,787	5,151	-2,132	4,338	-2,945
7-C	5,933	5,595	-338	5,422	-511	5,999	137	5,136	-797	5,323	-610
7-D	3,291	2,467	-824	2,092	-1,199	2,462	-442	1,982	-1,309	4,149	858
7-E	10,369	7,574	-2,795	7,873	-2,496	7,179	-1,986	7,101	-3,268	6,932	-3,437

Table A12: Existing, Projected, Need, and Excess beds by Health Services and Health Planning Areas: 2000 (continued)

Projection Horizon/HSA/ HPA	Existing Beds (projection year)	Current Illinois Methodology (60% - 160%; 90%) (CIM-0)		Modified Illinois Current Methodology-1 (base rate used, 90%) (CIM-1)		Modified Illinois Current Methodology-2 (30% 130%; 90%) (CIM-2)		Modified Illinois Current Methodology-3 (30% 150%; 95%) (CIM-3)		Ohio Methodology Adapted to Illinois data (State flat rate, 90%) (OMAI)	
		Projected	Need / excess (-)	Projected	Need / excess (-)	Projected	Need / excess (-)	Projected	Need / excess (-)	Projected	Need / excess (-)
HSA8	8,437	7,130	-1,307	7,026	-1,411	7,865	-859	6,645	-1,792	7,085	-1,352
Kane	2,625	2,244	-381	2,241	-384	2,704	-360	2,123	-502	2,295	-330
Lake	4,718	3,928	-790	3,928	-790	4,028	-635	3,699	-1,019	3,411	-1,307
McHenry	1,094	958	-136	856	-238	1,133	136	823	-271	1,379	285
HSA9	4,471	4,063	-408	4,159	-312	4,318	-290	3,767	-704	4,129	-342
Grundy	289	295	6	289	-0	256	-9	274	-15	310	21
Kankakee	1,440	1,196	-244	1,383	-57	795	-573	1,126	-314	957	-483
Kendall	178	211	33	175	-3	341	156	178	-0	281	103
Will	2,564	2,361	-203	2,312	-252	2,926	136	2,190	-374	2,581	17
HSA10	2,142	1,946	-196	1,946	-196	1,644	-242	1,843	-299	2,351	209
Henry	602	528	-74	528	-74	407	-93	501	-101	596	-6
Mercer	213	204	-9	204	-9	160	-12	193	-20	186	-27
Rock Island	1,327	1,213	-114	1,213	-114	1,077	-137	1,149	-178	1,568	241
HSA11	6,524	5,773	-751	5,820	-704	4,114	-956	5,447	-1,077	5,289	-1,235
Clinton	420	375	-45	375	-45	290	-67	355	-65	315	-105
Madison	2,693	2,290	-403	2,290	-403	1,849	-363	2,169	-524	2,365	-328
Monroe	384	370	-14	417	33	271	21	328	-56	229	-155
St. Clair	3,027	2,738	-289	2,738	-289	1,704	-547	2,594	-433	2,381	-646

Table A13: Number of disables and projected beds by Health Planning Area, 2010

Health Planning Areas	Population Estimates, July 2010	Number of Disables	Number of Disables per 1,000 populations	Projected Number of Beds, 2010				
				CIM-0	CIM-1	CIM-2	CIM-3	OMAI
Adams	67,141	9,922	0.77	1,274	1,274	1,116	1,194	658
Bond	17,777	2,607	0.20	200	200	191	189	147
Carroll	15,358	2,457	0.19	175	174	174	165	171
Cass	13,633	1,796	0.14	177	175	166	161	115
Champaign	201,370	17,266	1.34	918	900	900	852	1,245
Christian	34,804	4,913	0.38	402	402	402	381	330
Clark	16,300	2,510	0.19	218	218	218	207	155
Clay	13,809	2,213	0.17	132	132	129	125	131
Clinton	37,838	4,276	0.33	368	368	368	348	308
Crawford	19,832	3,232	0.25	204	197	197	186	179
DeKalb	105,186	8,705	0.67	717	680	681	645	641
Dewitt	16,583	2,333	0.18	146	141	142	135	148
Douglas	19,976	2,144	0.17	192	214	186	180	178
Edgar	18,533	2,970	0.23	244	245	239	229	185
Effingham	34,226	4,052	0.31	343	340	340	323	286
Fayette	22,136	3,538	0.27	244	259	235	229	193
Ford	14,074	1,999	0.15	281	357	228	249	147
Franklin	39,570	7,872	0.61	306	297	296	281	371
Fulton	37,061	5,220	0.40	574	574	564	544	361
Greene	13,875	2,152	0.17	116	112	112	106	124
Grundy	50,127	4,985	0.39	230	211	214	202	313
Hancock	19,114	2,743	0.21	173	167	167	158	196
Henry	50,443	5,778	0.45	436	444	421	408	467
Iroquois	29,657	3,876	0.30	417	433	397	389	303
Jackson	60,355	7,172	0.56	321	291	294	279	422
Jasper	9,697	1,339	0.10	62	54	57	54	88
Jefferson	38,787	6,050	0.47	332	320	320	303	333
Jersey	22,963	2,590	0.20	320	314	299	297	195
Jo Daviess	22,677	2,744	0.21	183	163	167	158	234
Kane	516,378	38,717	3.00	2,601	2,601	2,601	2,464	2,951
Kankakee	113,511	18,582	1.44	1,105	1,361	898	981	862
Kendall	115,239	7,603	0.59	255	168	204	193	528
Knox	52,943	7,725	0.60	740	740	740	701	530
Lake	704,492	53,598	4.15	4,372	4,372	4,372	4,142	4,303
LaSalle	113,843	13,590	1.05	1,294	1,258	1,258	1,191	1,045
Lawrence	16,833	2,638	0.20	231	245	194	207	146
Lee	35,943	4,445	0.34	330	320	320	303	307
Livingston	38,882	4,890	0.38	494	494	490	468	345
Logan	30,272	4,054	0.31	461	461	437	436	268
Macon	110,757	15,532	1.20	1,250	1,261	1,221	1,175	1,008
Macoupin	47,791	7,223	0.56	588	588	588	557	450
Madison	269,314	32,190	2.49	1,890	1,890	1,890	1,790	2,161
Marion	39,439	7,737	0.60	508	516	492	477	367
Mason	39,439	7,737	0.60	149	144	144	137	150
McDonough	32,614	3,824	0.30	346	335	335	318	270

Table A13: Number of disables and projected beds by Health Planning Area, 2010 (Continued)

Health Planning Areas	Population Estimates, July 2010	Number of Disables	Number of Disables per 1,000 populations	Projected Number of Beds, 2010				
				CIM-0	CIM-1	CIM-2	CIM-3	OMAI
McHenry	309,229	23,906	1.85	1,169	990	1,040	985	1,772
McLean	169,838	15,619	1.21	1,157	1,122	1,122	1,063	1,057
Menard	12,708	1,466	0.11	180	172	153	164	105
Mercer	16,435	2,032	0.16	170	161	152	152	156
Monroe	33,009	3,515	0.27	377	439	309	331	265
Montgomery	30,088	4,231	0.33	533	547	494	502	291
Moultrie	14,846	1,795	0.14	284	336	231	253	150
Ogle	53,454	5,479	0.42	510	489	493	467	434
Peoria	186,284	20,875	1.62	1,626	1,693	1,540	1,513	1,467
Perry	22,348	3,402	0.26	207	192	197	187	192
Piatt	16,722	1,812	0.14	166	166	166	158	140
Randolph	33,446	5,067	0.39	301	422	288	281	292
Richland	16,228	2,761	0.21	278	294	233	250	170
Rock Island	147,596	19,184	1.49	1,173	1,173	1,173	1,112	1,312
Sangamon	197,822	26,888	2.08	1,264	1,216	1,216	1,152	1,537
Shelby	22,339	3,027	0.23	220	217	217	206	220
St. Clair	270,399	36,822	2.85	2,095	2,095	2,095	1,985	1,974
Stephenson	47,697	7,094	0.55	583	574	574	544	485
Tazewell	135,439	14,910	1.16	1,304	1,290	1,290	1,222	1,173
Union	17,768	3,093	0.24	197	246	189	185	161
Vermilion	81,588	12,390	0.96	600	600	600	568	714
Washington	14,698	1,963	0.15	158	152	152	144	134
Wayne	16,750	2,565	0.20	139	134	134	127	165
White	14,640	2,625	0.20	239	241	229	224	167
Whiteside	58,454	8,406	0.65	659	760	641	619	559
Will	678,873	54,694	4.24	2,454	2,454	2,454	2,325	3,727
Williamson	66,397	10,103	0.78	464	451	451	427	567
Winnebago	295,142	37,123	2.88	2,144	2,144	2,144	2,031	2,275
Woodford	38,664	3,540	0.27	590	590	526	559	326
HSA-A&7	6,155,414	614,643	47.63	39,912	40,697	37,283	36,707	42,264
Alexander/Pulaski	14,383	3,315	0.26	85	69	73	69	127
Boone	54,176	4,602	0.36	307	291	291	276	344
Brown/Schuylerville	14,455	1,843	0.14	160	157	157	149	125
Bureau/Putnam	40,926	5,221	0.40	370	361	361	342	402
Calhoun/Pike	21,514	3,540	0.27	277	277	277	263	234
Coles/Cumberland	64,991	8,947	0.69	685	719	668	644	527
Edwards/Wabash	18,667	2,974	0.23	134	114	120	113	183
Gallatin/Hamilton/Saline	38,984	7,595	0.59	573	573	542	543	386
Hardin/Pope	8,766	2,276	0.18	94	94	94	89	90
Henderson/Warren	25,030	3,286	0.25	252	247	247	234	236
Johnson/Massac	28,049	5,346	0.41	298	290	290	275	260
Marshall/Stark	18,570	2,617	0.20	365	368	317	343	194
Morgan/Scott	40,875	5,677	0.44	597	626	578	561	370
Total	12,904,293	1,367,809	106.00	91,668	92,656	87,206	84,861	92,044

Source (disability data): U.S. Census Bureau 2009-2013 American Community survey

Table A14: Number of HPAs in the category of “Appropriately supplied” for [0.1, 95] x [1.1, 1.95] modulo 0.05 Minimum-Maximum, using CIM-2

Min-Max	Projection Periods						
	1995-2000	1997-2002	2000-2005	2002-2007	2005-2010	2008-2013	Average
0.10-1.10	22	21	11	5	17	21	16
0.10-1.15	23	19	7	11	14	22	16
0.10-1.20	23	20	9	11	20	21	17
0.10-1.25	25	19	11	10	24	19	18
0.10-1.30	27	20	10	10	25	18	18
0.10-1.35	26	19	8	10	23	17	17
0.10-1.40	25	20	7	9	23	19	17
0.10-1.45	27	19	6	6	20	19	16
0.10-1.50	24	19	6	6	19	16	15
0.10-1.55	25	19	7	7	16	15	15
0.10-1.60	24	19	7	7	17	15	15
0.10-1.65	23	19	6	7	16	16	15
0.10-1.70	23	19	8	7	16	17	15
0.10-1.75	24	21	6	7	15	18	15
0.10-1.80	25	20	6	7	15	18	15
0.10-1.85	25	21	6	7	16	18	16
0.10-1.90	24	21	5	7	16	17	15
0.10-1.95	24	21	5	6	16	16	15
0.15-1.10	22	21	11	5	18	21	16
0.15-1.15	23	19	7	11	15	22	16
0.15-1.20	23	21	9	11	21	21	18
0.15-1.25	25	19	11	10	25	19	18
0.15-1.30	27	20	10	10	26	18	19
0.15-1.35	26	19	8	10	23	17	17
0.15-1.40	25	20	7	9	24	19	17
0.15-1.45	27	19	6	6	21	19	16
0.15-1.50	24	19	6	6	20	16	15
0.15-1.55	25	19	7	7	17	15	15
0.15-1.60	24	19	7	7	18	15	15
0.15-1.65	23	19	6	7	17	16	15
0.15-1.70	23	19	8	7	17	17	15
0.15-1.75	24	21	6	7	16	18	15
0.15-1.80	25	20	6	7	16	18	15
0.15-1.85	25	21	6	7	17	18	16
0.15-1.90	24	21	5	7	17	17	15
0.15-1.95	24	21	5	6	17	16	15
0.20-1.10	22	20	11	5	18	21	16
0.20-1.15	23	19	7	11	15	22	16
0.20-1.20	23	21	9	11	21	21	18
0.20-1.25	25	19	11	11	25	18	18

Table A14: Number of HPAs in the category of “Appropriately supplied” for [0.1, 95] x [1.1, 1.95] modulo 0.05 Minimum-Maximum, using CIM-2 (continued)

Min-Max	Projection Periods						
	1995-2000	1997-2002	2000-2005	2002-2007	2005-2010	2008-2013	Average
0.20-1.30	27	20	10	10	26	18	19
0.20-1.35	26	19	8	10	23	17	17
0.20-1.40	25	20	7	8	24	19	17
0.20-1.45	27	19	6	6	21	19	16
0.20-1.50	24	19	6	6	20	16	15
0.20-1.55	25	19	7	7	17	15	15
0.20-1.60	24	19	7	7	18	15	15
0.20-1.65	23	19	6	7	17	16	15
0.20-1.70	23	19	8	7	17	17	15
0.20-1.75	24	21	6	7	16	18	15
0.20-1.80	25	20	6	7	16	18	15
0.20-1.85	25	21	6	7	17	18	16
0.20-1.90	24	21	5	7	17	17	15
0.20-1.95	24	21	5	6	17	16	15
0.25-1.10	22	20	11	5	18	21	16
0.25-1.15	23	19	7	11	15	22	16
0.25-1.20	23	21	9	11	22	21	18
0.25-1.25	25	19	11	11	25	18	18
0.25-1.30	27	20	10	10	26	18	19
0.25-1.35	26	19	8	10	23	17	17
0.25-1.40	25	20	7	8	24	19	17
0.25-1.45	27	19	6	6	21	19	16
0.25-1.50	24	19	6	6	20	16	15
0.25-1.55	25	19	7	7	17	15	15
0.25-1.60	24	19	7	7	18	15	15
0.25-1.65	23	19	6	7	17	16	15
0.25-1.70	23	19	8	7	17	17	15
0.25-1.75	24	21	6	7	16	18	15
0.25-1.80	25	20	6	7	16	18	15
0.25-1.85	25	21	6	7	17	18	16
0.25-1.90	24	21	5	7	17	17	15
0.25-1.95	24	21	5	6	17	16	15
0.30-1.10	22	20	11	5	18	22	16
0.30-1.15	23	18	7	10	15	22	16
0.30-1.20	23	21	9	10	22	21	18
0.30-1.25	25	19	11	10	25	18	18
0.30-1.30	27	20	10	9	26	18	18
0.30-1.35	26	19	8	9	23	17	17
0.30-1.40	25	20	7	7	24	19	17
0.30-1.45	27	19	6	5	21	19	16
0.30-1.50	24	19	6	5	20	16	15
0.30-1.55	25	19	7	6	17	15	15
0.30-1.60	24	19	7	6	18	15	15
0.30-1.65	23	19	6	6	17	16	15

Table A14: Number of HPAs in the category of “Appropriately supplied” for [0.1, 95] x [1.1, 1.95] modulo 0.05 Minimum-Maximum, using CIM-2 (continued)

Min-Max	Projection Periods						
	1995-2000	1997-2002	2000-2005	2002-2007	2005-2010	2008-2013	Average
0.30-1.70	23	19	8	6	17	17	15
0.30-1.75	24	21	6	6	16	18	15
0.30-1.80	25	20	6	6	16	18	15
0.30-1.85	25	21	6	6	17	18	16
0.30-1.90	24	21	5	6	17	17	15
0.30-1.95	24	21	5	5	17	16	15
0.35-1.10	23	20	11	5	18	21	16
0.35-1.15	24	19	7	9	16	21	16
0.35-1.20	24	21	9	9	22	20	18
0.35-1.25	26	19	11	9	24	17	18
0.35-1.30	28	20	10	8	26	17	18
0.35-1.35	27	19	8	8	23	16	17
0.35-1.40	26	20	7	6	24	18	17
0.35-1.45	28	19	6	4	21	18	16
0.35-1.50	25	19	6	4	20	15	15
0.35-1.55	26	19	7	5	17	14	15
0.35-1.60	25	19	7	5	18	14	15
0.35-1.65	24	19	6	5	17	15	14
0.35-1.70	24	19	8	5	17	16	15
0.35-1.75	25	21	6	5	16	17	15
0.35-1.80	26	20	6	5	16	17	15
0.35-1.85	26	21	6	5	17	17	15
0.35-1.90	25	21	5	5	16	16	15
0.35-1.95	25	21	5	4	17	15	15
0.40-1.10	22	20	11	5	17	22	16
0.40-1.15	23	19	7	9	15	22	16
0.40-1.20	23	21	9	9	22	22	18
0.40-1.25	25	19	11	9	23	18	18
0.40-1.30	27	20	10	8	25	18	18
0.40-1.35	26	18	8	8	22	16	16
0.40-1.40	25	19	7	6	23	19	17
0.40-1.45	27	18	6	4	20	19	16
0.40-1.50	24	18	6	4	19	16	15
0.40-1.55	25	18	7	5	16	15	14
0.40-1.60	23	18	7	5	17	15	14
0.40-1.65	23	18	6	5	16	16	14
0.40-1.70	22	18	8	5	16	17	14
0.40-1.75	24	20	6	5	15	18	15
0.40-1.80	25	19	6	5	15	18	15
0.40-1.85	25	20	6	5	16	18	15
0.40-1.90	24	20	5	5	14	17	14
0.40-1.95	24	20	5	4	16	16	14
0.45-1.10	21	19	11	5	17	21	16
0.45-1.15	22	19	7	9	15	23	16

Table A14: Number of HPAs in the category of “Appropriately supplied” for [0.1, 95] x [1.1, 1.95] modulo 0.05 Minimum-Maximum, using CIM-2 (continued)

Min-Max	Projection Periods						
	1995-2000	1997-2002	2000-2005	2002-2007	2005-2010	2008-2013	Average
0.45-1.20	22	21	9	9	22	20	17
0.45-1.25	24	18	11	8	21	18	17
0.45-1.30	26	19	10	8	24	18	18
0.45-1.35	25	18	8	8	21	16	16
0.45-1.40	24	19	7	6	22	19	16
0.45-1.45	26	18	6	4	19	19	15
0.45-1.50	23	19	6	4	18	16	14
0.45-1.55	24	19	7	5	14	15	14
0.45-1.60	22	18	7	5	15	15	14
0.45-1.65	22	18	6	5	14	16	14
0.45-1.70	22	18	8	5	14	17	14
0.45-1.75	23	19	6	5	13	18	14
0.45-1.80	24	19	6	5	13	18	14
0.45-1.85	24	20	6	5	14	18	15
0.45-1.90	23	20	5	5	14	17	14
0.45-1.95	23	20	5	4	14	16	14
0.50-1.10	19	18	11	5	17	20	15
0.50-1.15	20	19	8	9	15	21	15
0.50-1.20	20	20	9	9	23	19	17
0.50-1.25	21	16	11	7	21	17	16
0.50-1.30	23	17	10	8	21	17	16
0.50-1.35	22	16	8	8	21	15	15
0.50-1.40	21	17	7	6	22	18	15
0.50-1.45	23	16	6	4	19	18	14
0.50-1.50	20	17	6	4	17	15	13
0.50-1.55	21	17	7	5	14	14	13
0.50-1.60	19	16	7	5	15	14	13
0.50-1.65	19	16	6	5	14	15	13
0.50-1.70	19	16	8	5	14	16	13
0.50-1.75	20	17	6	5	13	17	13
0.50-1.80	21	17	6	5	13	17	13
0.50-1.85	21	18	6	5	14	17	14
0.50-1.90	20	18	5	5	14	16	13
0.50-1.95	20	18	5	4	14	15	13
0.55-1.10	20	21	10	5	15	20	15
0.55-1.15	21	21	8	9	16	21	16
0.55-1.20	20	22	9	9	21	19	17
0.55-1.25	22	18	11	7	19	17	16
0.55-1.30	24	19	10	8	19	17	16
0.55-1.35	23	18	8	7	19	15	15
0.55-1.40	22	19	7	6	20	18	15
0.55-1.45	24	18	6	4	16	18	14
0.55-1.50	21	19	6	4	15	15	13
0.55-1.55	22	19	7	5	12	14	13

Table A14: Number of HPAs in the category of “Appropriately supplied” for [0.1, 95] x [1.1, 1.95] modulo 0.05 Minimum-Maximum, using CIM-2 (continued)

Min-Max	Projection Periods						Average
	1995-2000	1997-2002	2000-2005	2002-2007	2005-2010	2008-2013	
0.55-1.60	20	18	7	5	13	14	13
0.55-1.65	20	18	6	5	12	15	13
0.55-1.70	19	18	8	5	12	16	13
0.55-1.75	21	19	6	5	11	17	13
0.55-1.80	22	19	6	5	11	17	13
0.55-1.85	22	20	6	5	12	17	14
0.55-1.90	21	20	5	5	12	16	13
0.55-1.95	21	20	5	4	12	15	13
0.60-1.10	19	23	10	5	16	20	16
0.60-1.15	20	22	8	9	16	22	16
0.60-1.20	19	22	9	9	21	19	17
0.60-1.25	21	18	11	7	27	17	17
0.60-1.30	23	19	10	8	20	17	16
0.60-1.35	22	19	8	7	20	15	15
0.60-1.40	21	18	7	6	20	18	15
0.60-1.45	23	18	6	4	17	18	14
0.60-1.50	20	19	6	4	16	15	13
0.60-1.55	21	19	7	5	13	14	13
0.60-1.60	19	19	7	5	14	14	13
0.60-1.65	19	19	6	5	13	15	13
0.60-1.70	19	18	8	5	13	16	13
0.60-1.75	20	19	6	5	12	17	13
0.60-1.80	21	20	6	5	12	17	14
0.60-1.85	21	20	6	5	13	17	14
0.60-1.90	20	20	5	5	13	16	13
0.60-1.95	20	20	5	4	13	15	13
0.65-1.10	19	23	10	5	14	19	15
0.65-1.15	20	22	8	9	14	22	16
0.65-1.20	19	22	9	9	20	19	16
0.65-1.25	21	19	11	7	16	17	15
0.65-1.30	23	19	10	8	19	16	16
0.65-1.35	22	19	7	7	18	15	15
0.65-1.40	21	18	7	6	19	18	15
0.65-1.45	23	18	6	4	16	18	14
0.65-1.50	20	20	6	4	15	15	13
0.65-1.55	21	20	7	5	12	14	13
0.65-1.60	19	19	7	5	13	14	13
0.65-1.65	19	19	6	5	12	15	13
0.65-1.70	19	19	8	5	12	16	13
0.65-1.75	20	20	6	5	11	17	13
0.65-1.80	21	20	6	5	11	17	13

Table A14: Number of HPAs in the category of “Appropriately supplied” for [0.1, 95] x [1.1, 1.95] modulo 0.05 Minimum-Maximum, using CIM-2 (continued)

Min-Max	Projection Periods						Average
	1995-2000	1997-2002	2000-2005	2002-2007	2005-2010	2008-2013	
0.65-1.85	21	20	6	5	12	17	14
0.65-1.90	20	20	5	5	12	16	13
0.65-1.95	20	19	5	4	12	15	13
0.70-1.10	16	22	10	5	13	19	14
0.70-1.15	17	19	8	9	13	20	14
0.70-1.20	16	17	9	9	17	19	15
0.70-1.25	18	17	11	7	14	16	14
0.70-1.30	20	18	11	8	17	15	15
0.70-1.35	19	18	7	7	16	14	14
0.70-1.40	18	17	7	6	17	17	14
0.70-1.45	20	18	6	4	14	17	13
0.70-1.50	18	19	6	4	13	14	12
0.70-1.55	19	19	7	5	10	13	12
0.70-1.60	17	17	7	5	11	13	12
0.70-1.65	17	17	6	5	10	14	12
0.70-1.70	17	17	8	5	10	15	12
0.70-1.75	18	18	6	5	9	16	12
0.70-1.80	19	17	6	5	9	16	12
0.70-1.85	19	17	6	5	10	16	12
0.70-1.90	18	16	5	5	10	15	12
0.70-1.95	18	16	5	4	10	14	11
0.75-1.10	13	22	9	4	12	20	13
0.75-1.15	14	19	8	9	13	19	14
0.75-1.20	13	18	9	9	18	19	14
0.75-1.25	14	19	9	7	12	15	13
0.75-1.30	17	20	10	8	17	15	15
0.75-1.35	15	19	7	7	16	14	13
0.75-1.40	15	18	7	5	16	17	13
0.75-1.45	16	21	5	4	14	17	13
0.75-1.50	14	19	5	4	13	14	12
0.75-1.55	15	19	6	5	12	13	12
0.75-1.60	13	17	6	5	11	12	11
0.75-1.65	13	17	5	5	10	13	11
0.75-1.70	13	17	7	5	9	14	11
0.75-1.75	14	17	5	5	9	15	11
0.75-1.80	15	17	5	5	9	15	11
0.75-1.85	15	17	5	5	10	15	11
0.75-1.90	14	17	4	5	10	14	11
0.75-1.95	14	17	4	4	10	13	10
0.80-1.10	13	21	8	4	14	16	13
0.80-1.15	13	17	7	8	13	17	13

Table A14: Number of HPAs in the category of “Appropriately supplied” for [0.1, 95] x [1.1, 1.95] modulo 0.05 Minimum-Maximum, using CIM-2 (continued)

Min-Max	Projection Periods						
	1995-2000	1997-2002	2000-2005	2002-2007	2005-2010	2008-2013	Average
0.80-1.20	14	16	9	8	18	16	14
0.80-1.25	14	16	10	6	14	13	12
0.80-1.30	17	17	10	7	16	13	13
0.80-1.35	15	16	7	6	13	11	11
0.80-1.40	15	15	6	4	14	14	11
0.80-1.45	16	16	5	4	12	14	11
0.80-1.50	14	16	5	4	12	11	10
0.80-1.55	15	16	6	5	10	10	10
0.80-1.60	13	13	6	5	9	10	9
0.80-1.65	13	13	5	5	8	11	9
0.80-1.70	13	13	7	5	8	12	10
0.80-1.75	14	14	5	5	8	13	10
0.80-1.80	15	14	5	5	8	13	10
0.80-1.85	15	14	5	5	9	13	10
0.80-1.90	14	14	4	5	9	12	10
0.80-1.95	14	14	4	4	9	11	9
0.85-1.10	14	15	9	4	16	16	12
0.85-1.15	14	14	7	8	13	17	12
0.85-1.20	16	13	9	8	17	15	13
0.85-1.25	16	14	10	7	12	11	12
0.85-1.30	19	14	10	7	13	11	12
0.85-1.35	17	13	7	6	12	11	11
0.85-1.40	17	13	6	5	13	13	11
0.85-1.45	18	13	5	4	12	13	11
0.85-1.50	16	12	5	4	12	10	10
0.85-1.55	17	12	6	5	9	8	10
0.85-1.60	15	10	6	5	8	9	9
0.85-1.65	15	10	5	5	7	10	9
0.85-1.70	15	10	7	5	7	11	9
0.85-1.75	16	11	5	5	6	12	9
0.85-1.80	17	11	5	5	6	12	9
0.85-1.85	17	11	5	5	7	12	10
0.85-1.90	16	11	4	5	7	11	9
0.85-1.95	16	11	4	4	7	10	9
0.90-1.10	13	13	9	4	13	13	11
0.90-1.15	13	9	7	8	10	14	10
0.90-1.20	15	11	9	8	16	12	12
0.90-1.25	15	11	10	7	11	10	11
0.90-1.30	18	12	10	6	12	10	11
0.90-1.35	16	10	7	6	11	10	10
0.90-1.40	16	11	6	5	12	12	10

Table A14: Number of HPAs in the category of “Appropriately supplied” for [0.1, 95] x [1.1, 1.95] modulo 0.05 Minimum-Maximum, using CIM-2 (continued)

Min-Max	Projection Periods						
	1995-2000	1997-2002	2000-2005	2002-2007	2005-2010	2008-2013	Average
0.90-1.45	17	10	5	4	12	11	10
0.90-1.50	15	10	5	4	11	9	9
0.90-1.55	16	10	6	5	9	8	9
0.90-1.60	14	7	6	5	8	9	8
0.90-1.65	14	7	5	5	7	10	8
0.90-1.70	14	8	7	5	7	11	9
0.90-1.75	15	9	5	5	6	12	9
0.90-1.80	16	9	5	5	6	12	9
0.90-1.85	16	9	5	5	7	12	9
0.90-1.90	15	9	4	5	8	11	9
0.90-1.95	15	9	4	4	8	10	8
0.95-1.10	11	13	9	4	11	15	11
0.95-1.15	11	10	7	8	8	15	10
0.95-1.20	13	13	8	8	12	13	11
0.95-1.25	13	12	10	7	9	11	10
0.95-1.30	16	12	10	6	10	10	11
0.95-1.35	14	10	7	6	9	11	10
0.95-1.40	14		6	5	11	12	10
0.95-1.45	16	22	5	4	9	11	11
0.95-1.50	14	11	5	4	7	10	9
0.95-1.55	15	11	6	5	6	10	9
0.95-1.60	13	8	6	5	6	11	8
0.95-1.65	13	8	5	5	6	11	8
0.95-1.70	13	9	7	5	5	12	9
0.95-1.75	14	10	5	5	5	13	9
0.95-1.80	15	9	5	5	5	13	9
0.95-1.85	15	9	5	5	6	13	9
0.95-1.90	14	9	4	5	6	13	9
0.95-1.95	14	9	4	4	6	12	8

Table A15: Number of HPAs in the category of “Appropriately supplied” for [0.1, 95] x [1.1, 1.95] modulo 0.05 Minimum-Maximum and 95% target occupancy rate, using CIM-3

Min-Max	Projection Periods						Average	SD
	1995-2000	1997-2002	2000-2005	2002-2007	2005-2010	2008-2013		
0.10-1.10	26	22	20	13	23	22	21	4.38
0.10-1.15	29	23	18	16	24	23	22	4.62
0.10-1.20	31	25	14	18	25	22	23	5.96
0.10-1.25	34	24	16	16	25	23	23	6.69
0.10-1.30	36	25	18	16	29	22	24	7.39
0.10-1.35	34	24	19	17	30	24	25	6.44
0.10-1.40	36	25	20	16	31	24	25	7.26
0.10-1.45	35	26	17	17	30	28	26	7.23
0.10-1.50	35	26	18	15	31	29	26	7.74
0.10-1.55	37	27	15	15	33	28	26	9.13
0.10-1.60	35	26	15	14	33	27	25	8.83
0.10-1.65	36	26	16	15	33	27	26	8.60
0.10-1.70	36	26	16	15	33	28	26	8.64
0.10-1.75	35	26	15	15	33	26	25	8.56
0.10-1.80	35	26	14	13	32	27	25	9.14
0.10-1.85	35	27	15	14	32	26	25	8.66
0.10-1.90	35	26	14	14	31	26	24	8.69
0.10-1.95	35	27	13	14	31	27	25	9.03
0.15-1.10	26	21	20	13	22	22	21	4.27
0.15-1.15	29	22	18	16	23	23	22	4.54
0.15-1.20	31	24	14	18	24	22	22	5.81
0.15-1.25	34	23	16	16	24	23	23	6.62
0.15-1.30	36	24	18	16	28	22	24	7.27
0.15-1.35	34	24	19	17	29	24	25	6.28
0.15-1.40	36	25	20	16	30	24	25	7.11
0.15-1.45	35	26	17	17	29	28	25	7.12
0.15-1.50	35	26	18	15	30	29	26	7.61
0.15-1.55	37	27	15	15	32	28	26	8.98
0.15-1.60	35	26	15	14	32	27	25	8.66
0.15-1.65	36	26	16	15	32	27	25	8.43
0.15-1.70	36	26	16	15	32	28	26	8.48
0.15-1.75	35	26	15	15	32	26	25	8.38
0.15-1.80	35	26	14	13	31	27	24	8.98
0.15-1.85	35	27	15	14	31	26	25	8.50
0.15-1.90	35	26	14	14	30	26	24	8.54
0.15-1.95	35	27	13	14	30	27	24	8.89
0.20-1.10	26	21	20	13	22	22	21	4.27
0.20-1.15	29	22	18	16	23	23	22	4.54
0.20-1.20	31	24	14	18	24	22	22	5.81
0.20-1.25	34	23	16	16	24	23	23	6.62
0.20-1.30	36	25	18	16	28	22	24	7.28

Table A15: Number of HPAs in the category of “Appropriately supplied” for [0.1, 95] x [1.1, 1.95] modulo 0.05 Minimum-Maximum and 95% target occupancy rate, using CIM-3 (continued)

Min-Max	Projection Periods						Average	SD
	1995-2000	1997-2002	2000-2005	2002-2007	2005-2010	2008-2013		
0.20-1.35	34	24	19	17	29	24	25	6.28
0.20-1.40	36	25	20	16	30	24	25	7.11
0.20-1.45	35	26	17	17	29	28	25	7.12
0.20-1.50	35	26	18	15	30	29	26	7.61
0.20-1.55	37	27	15	15	32	28	26	8.98
0.20-1.60	35	26	15	14	32	27	25	8.66
0.20-1.65	36	26	16	15	32	27	25	8.43
0.20-1.70	36	26	16	15	32	28	26	8.48
0.20-1.75	35	26	15	15	32	26	25	8.38
0.20-1.80	35	26	14	13	31	27	24	8.98
0.20-1.85	35	27	15	14	31	26	25	8.50
0.20-1.90	35	26	14	14	30	26	24	8.54
0.20-1.95	35	27	13	14	30	27	24	8.89
0.25-1.10	27	21	20	12	22	22	21	4.89
0.25-1.15	30	21	18	15	23	23	22	5.13
0.25-1.20	32	24	14	17	24	22	22	6.27
0.25-1.25	35	24	14	17	24	22	23	7.26
0.25-1.30	37	25	18	15	28	22	24	7.83
0.25-1.35	35	24	19	16	29	24	25	6.83
0.25-1.40	37	25	20	15	30	24	25	7.68
0.25-1.45	36	26	17	16	29	28	25	7.63
0.25-1.50	36	26	18	14	30	29	26	8.14
0.25-1.55	38	27	15	14	32	28	26	9.48
0.25-1.60	36	26	15	13	32	27	25	9.15
0.25-1.65	37	26	16	14	32	27	25	8.94
0.25-1.70	37	26	16	14	32	28	26	8.98
0.25-1.75	36	26	15	14	32	26	25	8.86
0.25-1.80	36	26	14	12	31	27	24	9.48
0.25-1.85	36	27	15	13	31	26	25	9.00
0.25-1.90	36	26	14	13	30	26	24	9.04
0.25-1.95	36	27	13	13	30	27	24	9.37
0.30-1.10	27	21	20	12	22	23	21	4.96
0.30-1.15	30	21	18	15	23	24	22	5.19
0.30-1.20	32	24	14	17	24	23	22	6.28
0.30-1.25	35	24	16	15	24	24	23	7.21
0.30-1.30	37	25	18	15	28	23	24	7.79
0.30-1.35	35	24	19	16	29	25	25	6.83
0.30-1.40	37	25	20	15	30	25	25	7.66
0.30-1.45	36	26	17	16	29	29	26	7.71
0.30-1.50	36	26	18	14	30	30	26	8.24
0.30-1.55	38	27	15	14	32	29	26	9.54

Table A15: Number of HPAs in the category of “Appropriately supplied” for [0.1, 95] x [1.1, 1.95] modulo 0.05 Minimum-Maximum and 95% target occupancy rate, using CIM-3 (continued)

Min-Max	Projection Periods						Average	SD
	1995-2000	1997-2002	2000-2005	2002-2007	2005-2010	2008-2013		
0.30-1.60	36	26	15	13	32	28	25	9.21
0.30-1.65	37	26	16	14	32	28	26	8.98
0.30-1.70	37	26	16	14	32	29	26	9.05
0.30-1.75	36	26	15	14	32	27	25	8.90
0.30-1.80	36	26	14	12	31	28	25	9.54
0.30-1.85	36	27	15	13	31	27	25	9.04
0.30-1.90	36	26	14	13	30	27	24	9.09
0.30-1.95	36	27	13	13	30	28	25	9.44
0.35-1.10	28	21	19	12	24	22	21	5.37
0.35-1.15	31	21	18	15	25	24	22	5.65
0.35-1.20	33	24	14	17	26	23	23	6.74
0.35-1.25	36	24	16	15	26	24	24	7.64
0.35-1.30	38	25	18	15	30	23	25	8.33
0.35-1.35	36	24	19	16	31	24	25	7.43
0.35-1.40	38	25	20	15	32	24	26	8.26
0.35-1.45	37	26	17	15	31	28	26	8.38
0.35-1.50	37	26	18	13	32	29	26	8.93
0.35-1.55	39	27	15	13	34	28	26	10.28
0.35-1.60	37	26	15	12	34	27	25	9.99
0.35-1.65	38	26	16	13	34	27	26	9.77
0.35-1.70	38	26	16	13	34	28	26	9.81
0.35-1.75	37	26	15	13	34	26	25	9.70
0.35-1.80	37	26	14	11	33	27	25	10.29
0.35-1.85	37	27	15	12	33	26	25	9.82
0.35-1.90	37	26	14	12	32	26	25	9.83
0.35-1.95	37	27	13	12	32	27	25	10.13
0.40-1.10	28	22	19	12	24	21	21	5.37
0.40-1.15	31	22	18	16	25	25	23	5.42
0.40-1.20	33	24	13	17	26	22	23	7.01
0.40-1.25	36	25	15	15	27	22	23	7.97
0.40-1.30	38	26	17	15	30	21	25	8.64
0.40-1.35	36	25	18	16	31	23	25	7.63
0.40-1.40	38	26	19	15	31	23	25	8.31
0.40-1.45	37	27	16	15	31	27	26	8.57
0.40-1.50	37	27	17	13	32	28	26	9.07
0.40-1.55	39	28	14	13	34	27	26	10.50
0.40-1.60	37	27	14	12	34	26	25	10.20
0.40-1.65	38	27	15	13	34	26	26	9.97
0.40-1.70	38	27	15	13	34	27	26	9.99
0.40-1.75	37	27	14	13	34	25	25	9.94
0.40-1.80	37	27	13	11	33	26	25	10.50

Table A15: Number of HPAs in the category of “Appropriately supplied” for [0.1, 95] x [1.1, 1.95] modulo 0.05 Minimum-Maximum and 95% target occupancy rate, using CIM-3 (continued)

Min-Max	Projection Periods						Average	SD
	1995-2000	1997-2002	2000-2005	2002-2007	2005-2010	2008-2013		
0.40-1.85	37	28	14	12	33	25	25	10.07
0.40-1.90	37	27	13	12	32	25	24	10.07
0.40-1.95	37	28	12	12	32	26	25	10.39
0.45-1.10	29	22	19	11	24	20	21	5.98
0.45-1.15	31	23	18	16	25	24	23	5.34
0.50-1.10	30	22	18	10	23	21	21	6.56
0.50-1.15	33	23	17	15	24	24	23	6.35
0.50-1.20	34	26	12	15	26	21	22	8.07
0.50-1.25	37	27	14	14	27	22	24	8.83
0.50-1.30	39	28	17	13	29	21	25	9.42
0.50-1.35	37	27	17	14	30	23	25	8.50
0.50-1.40	39	28	18	12	29	23	25	9.41
0.50-1.45	38	29	15	13	29	26	25	9.44
0.50-1.50	38	29	16	11	30	27	25	9.91
0.50-1.55	40	30	13	11	32	26	25	11.31
0.50-1.60	38	29	13	10	32	25	25	10.97
0.50-1.65	39	30	14	11	32	25	25	10.83
0.50-1.70	38	29	14	11	32	26	25	10.51
0.50-1.75	38	29	13	11	32	24	25	10.71
0.50-1.80	38	29	12	9	31	25	24	11.31
0.50-1.85	38	29	13	10	31	24	24	10.83
0.50-1.90	38	29	12	10	30	24	24	10.93
0.50-1.95	38	30	11	10	30	25	24	11.26
0.55-1.10	31	22	18	9	22	21	21	7.12
0.55-1.15	34	23	17	14	23	23	22	6.86
0.55-1.20	35	27	12	14	24	22	22	8.50
0.55-1.25	38	27	14	13	25	22	23	9.24
0.55-1.30	40	28	17	12	28	21	24	9.89
0.55-1.35	38	28	17	13	28	23	25	8.92
0.55-1.40	40	28	18	11	27	22	24	9.89
0.55-1.45	39	30	15	12	27	26	25	9.95
0.55-1.50	39	28	16	10	28	27	25	10.23
0.55-1.55	41	29	13	10	30	26	25	11.55
0.55-1.60	39	28	13	9	30	25	24	11.17
0.55-1.65	40	29	14	10	30	25	25	11.06
0.55-1.70	39	28	14	10	30	26	25	10.73
0.55-1.75	39	28	13	10	30	24	24	10.90
0.55-1.80	39	28	12	8	29	25	24	11.54
0.55-1.85	39	28	13	9	29	24	24	11.06
0.55-1.90	39	28	12	9	28	24	23	11.17
0.55-1.95	39	29	11	9	28	25	24	11.48

Table A15: Number of HPAs in the category of “Appropriately supplied” for [0.1, 95] x [1.1, 1.95] modulo 0.05 Minimum-Maximum and 95% target occupancy rate, using CIM-3 (continued)

Min-Max	Projection Periods						Average	SD
	1995-2000	1997-2002	2000-2005	2002-2007	2005-2010	2008-2013		
0.60-1.10	30	19	18	8	22	21	20	7.12
0.60-1.15	33	20	16	13	22	23	21	6.91
0.60-1.20	34	23	12	13	24	21	21	8.08
0.60-1.25	37	23	14	12	24	23	22	8.89
0.60-1.30	39	24	17	11	27	21	23	9.56
0.60-1.35	37	24	17	12	26	23	23	8.52
0.60-1.40	39	24	18	10	26	22	23	9.60
0.60-1.45	37	26	15	11	26	26	24	9.27
0.60-1.50	37	24	16	9	27	27	23	9.73
0.60-1.55	39	25	13	9	29	26	24	10.95
0.60-1.60	37	25	13	8	29	25	23	10.63
0.60-1.65	38	25	14	9	29	25	23	10.44
0.60-1.70	37	24	14	9	29	26	23	10.19
0.60-1.75	37	24	13	9	29	24	23	10.29
0.60-1.80	37	24	12	7	28	25	22	10.94
0.60-1.85	37	24	13	8	28	24	22	10.44
0.60-1.90	37	25	12	8	27	24	22	10.57
0.60-1.95	37	27	11	8	27	25	23	10.95
0.65-1.10	28	21	18	9	23	23	20	6.44
0.65-1.15	31	24	16	13	22	23	22	6.35
0.65-1.20	32	25	12	13	23	21	21	7.56
0.65-1.25	35	25	14	11	24	22	22	8.57
0.65-1.30	37	26	17	11	27	21	23	9.00
0.65-1.35	35	26	17	12	25	23	23	7.92
0.65-1.40	36	26	18	10	26	22	23	8.74
0.65-1.45	35	28	14	11	26	26	23	9.07
0.65-1.50	35	26	15	9	27	27	23	9.43
0.65-1.55	37	27	12	9	29	26	23	10.71
0.65-1.60	35	27	12	8	29	25	23	10.44
0.65-1.65	36	27	13	9	29	25	23	10.21
0.65-1.70	35	26	13	9	29	26	23	9.94
0.65-1.75	35	27	12	9	29	24	23	10.13
0.65-1.80	35	27	11	7	28	25	22	10.82
0.65-1.85	35	29	12	8	28	24	23	10.50
0.65-1.90	35	29	11	8	27	24	22	10.61
0.65-1.95	35	30	10	8	27	25	23	11.00
0.70-1.10	26	21	18	8	21	23	20	6.22
0.70-1.15	30	24	16	12	20	23	21	6.34
0.70-1.20	31	24	13	12	24	21	21	7.25
0.70-1.25	34	23	14	9	22	21	21	8.55
0.70-1.30	36	24	17	9	25	20	22	9.02

Table A15: Number of HPAs in the category of “Appropriately supplied” for [0.1, 95] x [1.1, 1.95] modulo 0.05 Minimum-Maximum and 95% target occupancy rate, using CIM-3 (continued)

Min-Max	Projection Periods						Average	SD
	1995-2000	1997-2002	2000-2005	2002-2007	2005-2010	2008-2013		
0.70-1.35	33	24	17	10	22	21	21	7.63
0.70-1.40	34	24	18	8	24	21	22	8.53
0.70-1.45	33	26	14	9	24	25	22	8.75
0.70-1.50	34	24	15	7	25	26	22	9.45
0.70-1.55	35	26	12	7	27	25	22	10.43
0.70-1.60	33	27	12	6	27	24	22	10.29
0.70-1.65	34	26	13	7	27	24	22	9.95
0.70-1.70	33	25	13	7	27	25	22	9.69
0.70-1.75	33	25	13	7	27	25	22	9.69
0.70-1.80	33	26	12	7	27	23	21	9.85
0.70-1.85	32	27	11	5	26	24	21	10.46
0.70-1.90	32	27	12	6	26	23	21	9.92
0.70-1.95	32	28	10	6	25	24	21	10.40
0.75-1.10	21	21	19	9	19	22	19	4.81
0.75-1.15	24	22	16	11	19	22	19	4.82
0.75-1.20	26	23	13	11	23	19	19	6.01
0.75-1.25	28	21	14	8	20	19	18	6.77
0.75-1.30	30	22	17	8	21	18	19	7.20
0.75-1.35	26	22	17	9	19	19	19	5.68
0.75-1.40	27	23	18	7	21	19	19	6.77
0.75-1.45	27	24	14	8	22	23	20	7.17
0.75-1.50	28	22	14	6	22	24	19	7.97
0.75-1.55	29	24	11	6	24	23	20	8.92
0.75-1.60	27	23	11	5	24	22	19	8.64
0.75-1.65	28	23	12	6	24	22	19	8.35
0.75-1.70	27	22	12	6	24	23	19	8.15
0.75-1.75	27	22	12	5	24	21	19	8.31
0.75-1.80	27	21	11	4	23	22	18	8.67
0.75-1.85	27	21	12	5	23	21	18	8.11
0.75-1.90	27	21	11	5	22	21	18	8.16
0.75-1.95	27	21	10	5	22	22	18	8.42
0.80-1.10	22	22	19	10	18	18	18	4.40
0.80-1.15	25	24	16	11	17	19	19	5.24
0.80-1.20	27	24	12	12	20	17	19	6.19
0.80-1.25	30	22	13	8	19	17	18	7.57
0.80-1.30	30	25	16	8	20	16	19	7.70
0.80-1.35	27	24	16	8	18	16	18	6.71
0.80-1.40	28	25	17	7	20	17	19	7.35
0.80-1.45	28	26	13	7	20	20	19	7.90
0.80-1.50	29	25	13	5	20	21	19	8.64
0.80-1.55	29	27	11	5	22	20	19	9.32

Table A15: Number of HPAs in the category of “Appropriately supplied” for [0.1, 95] x [1.1, 1.95] modulo 0.05 Minimum-Maximum and 95% target occupancy rate, using CIM-3 (continued)

Min-Max	Projection Periods						Average	SD
	1995-2000	1997-2002	2000-2005	2002-2007	2005-2010	2008-2013		
0.80-1.60	28	25	11	4	22	19	18	9.06
0.80-1.65	29	24	12	5	23	18	19	8.78
0.80-1.70	28	23	12	5	22	18	18	8.32
0.80-1.75	28	22	12	5	22	16	18	8.24
0.80-1.80	28	23	11	4	20	17	17	8.61
0.80-1.85	28	22	12	5	20	17	17	8.04
0.80-1.90	28	22	11	5	19	17	17	8.12
0.80-1.95	28	23	10	5	19	18	17	8.42
0.85-1.10	19	20	16	9	20	19	17	4.26
0.85-1.15	22	21	12	8	18	19	17	5.50
0.85-1.20	24	20	10	9	20	17	17	5.99
0.85-1.25	26	19	11	6	19	17	16	6.98
0.85-1.30	26	21	14	6	22	16	18	7.09
0.85-1.35	24	20	14	6	20	16	17	6.28
0.85-1.40	24	21	15	5	22	16	17	6.91
0.85-1.45	24	21	11	6	21	18	17	6.91
0.85-1.50	25	20	11	4	21	19	17	7.71
0.85-1.55	26	21	9	4	21	17	16	8.29
0.85-1.60	25	21	9	3	21	16	16	8.35
0.85-1.65	26	21	10	4	21	16	16	8.12
0.85-1.70	25	19	10	4	21	16	16	7.68
0.85-1.75	25	17	10	4	21	15	15	7.55
0.85-1.80	25	18	9	3	20	16	15	7.94
0.85-1.85	25	18	10	4	20	16	16	7.48
0.85-1.90	25	18	9	4	19	16	15	7.52
0.85-1.95	25	19	8	4	19	17	15	7.81
0.90-1.10	19	22	15	6	19	19	17	5.68
0.90-1.15	22	18	11	6	17	18	15	5.79
0.90-1.20	24	16	10	5	18	16	15	6.59
0.90-1.25	25	14	11	5	17	16	15	6.65
0.90-1.30	25	17	13	5	19	13	15	6.74
0.90-1.35	24	17	14	5	16	13	15	6.18
0.90-1.40	24	16	15	4	18	13	15	6.57
0.90-1.45	24	17	11	5	18	15	15	6.48
0.90-1.50	25	18	11	3	18	16	15	7.47
0.90-1.55	26	17	9	3	19	15	15	8.01
0.90-1.60	25	17	9	2	19	14	14	8.04
0.90-1.65	26	16	10	3	19	12	14	7.92
0.90-1.70	25	13	10	3	18	13	14	7.42
0.90-1.75	25	13	10	3	18	13	14	7.42
0.90-1.80	25	14	9	2	17	14	14	7.71

Table A15: Number of HPAs in the category of “Appropriately supplied” for [0.1, 95] x [1.1, 1.95] modulo 0.05 Minimum-Maximum and 95% target occupancy rate, using CIM-3 (continued)

Min-Max	Projection Periods						Average	SD
	1995-2000	1997-2002	2000-2005	2002-2007	2005-2010	2008-2013		
0.90-1.85	25	14	10	3	17	14	14	7.31
0.90-1.90	25	14	9	3	16	14	14	7.34
0.90-1.95	25	15	8	3	16	15	14	7.53
0.95-1.10	18	18	14	7	17	16	15	4.20
0.95-1.15	19	13	10	7	18	15	14	4.63
0.95-1.20	20	15	8	6	18	13	13	5.50
0.95-1.25	22	13	9	6	19	14	14	5.98
0.95-1.30	22	16	12	6	17	12	14	5.46
0.95-1.35	21	16	12	6	16	12	14	5.08
0.95-1.40	21	16	13	5	17	12	14	5.44
0.95-1.45	21	17	9	5	17	16	14	5.95
0.95-1.50	22	17	9	3	17	15	14	6.77
0.95-1.55	23	15	7	3	18	14	13	7.28
0.95-1.60	22	16	7	2	18	13	13	7.38
0.95-1.65	23	15	8	3	18	12	13	7.14
0.95-1.70	22	12	8	3	16	13	12	6.53
0.95-1.75	22	12	9	3	16	13	13	6.41
0.95-1.80	22	13	8	2	16	14	13	6.86
0.95-1.85	22	13	9	3	16	15	13	6.48
0.95-1.90	22	13	8	3	15	15	13	6.53
0.95-1.95	22	14	7	3	15	15	13	6.71

Table A16: HPAs classified by projection category based on CIM-0, CIM-3 and OMAI 2008-2013 projections

HPA	CIM-0			CIM-3			OMAI		
	Appropriately Supplied	Under supplied	Over supplied	Appropriately Supplied	Under supplied	Over supplied	Appropriately Supplied	Under supplied	Over supplied
Adams	X				X		X		
Bond			X			X			X
Carroll			X			X			X
Cass			X		X				X
Champaign			X			X			X
Christian			X		X				X
Clark	X				X			X	
Clay	X			X			X		
Clinton			X	X					X
Crawford			X			X			X
DeKalb			X		X		X		
Dewitt	X				X			X	
Douglas			X		X		X		
Edgar	X				X			X	
Effingham			X		X				X
Fayette			X			X			X
Ford	X				X			X	
Franklin			X			X	X		
Fulton			X		X				X
Greene			X			X	X		
Grundy	X					X			X
Hancock			X			X			X
Henry			X			X	X		
Iroquois	X				X			X	
Jackson			X			X			X
Jasper			X			X			X
Jefferson			X			X			X
Jersey			X		X				X
Jo Daviess			X			X			X
Kane			X			X			X
Kankakee	X				X			X	
Kendall			X			X	X		
Knox	X				X			X	
Lake			X			X			X
LaSalle			X		X				X
Lawrence			X		X			X	
Lee			X			X			X
Livingston			X		X				X

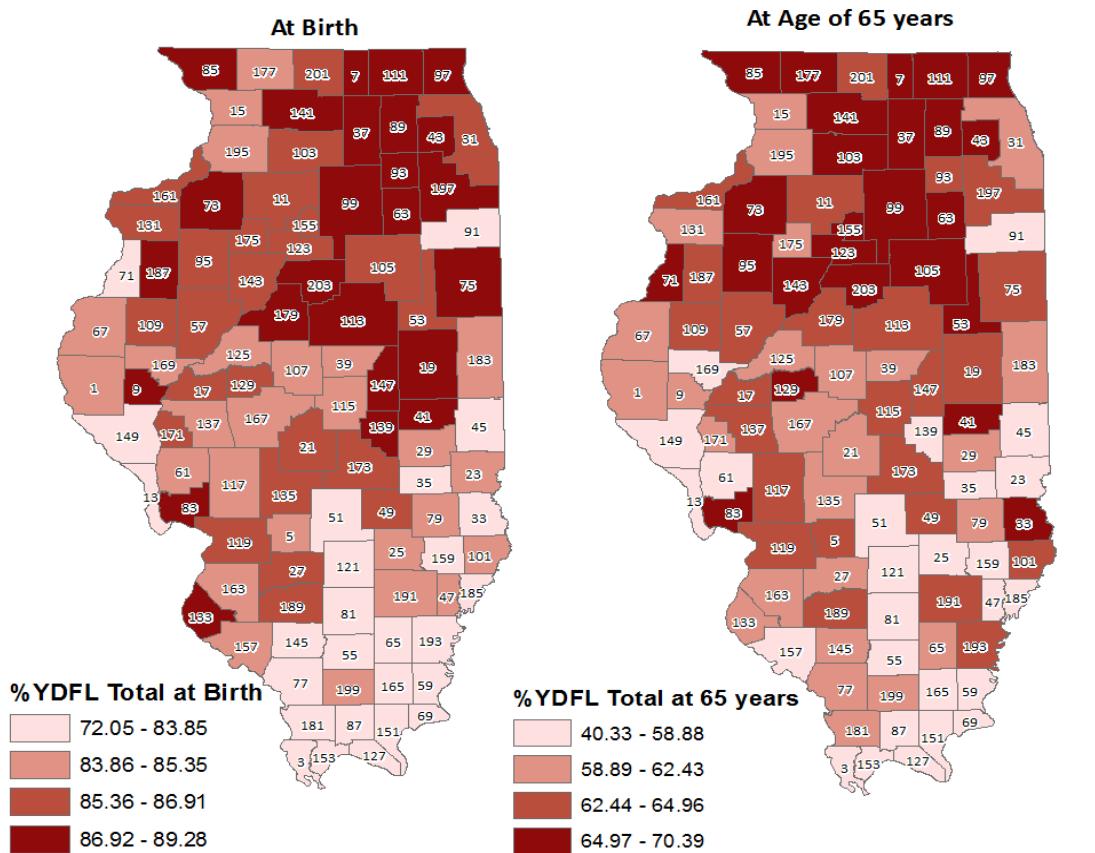
Table A16: HPAs classified by projection category based on CIM-0, CIM-3 and OMAI 2008-2013 projections (continued)

HPA	CIM-0			CIM-3			OMAI		
	Appropriately Supplied	Under supplied	Over supplied	Appropriately Supplied	Under supplied	Over supplied	Appropriately Supplied	Under supplied	Over supplied
Logan			X		X				X
Macon			X		X				X
Macoupin	X				X			X	
Madison			X			X	X		
Marion			X		X				X
Mason			X			X			X
McDonough	X				X			X	
McHenry			X			X			X
McLean			X			X			X
Menard			X			X			X
Mercer		X		X					X
Monroe		X				X			X
Montgomery			X		X				X
Moultrie			X		X			X	
Ogle		X		X				X	
Peoria			X		X			X	
Perry			X			X			X
Piatt		X		X					X
Randolph	X				X			X	
Richland			X		X				X
Rock Island			X			X			X
Sangamon			X			X		X	
Shelby			X			X			X
St. Clair			X			X			X
Stephenson			X		X				X
Tazewell			X			X			X
Union	X				X			X	
Vermilion			X			X		X	
Washington			X		X			X	
Wayne	X					X			X
White	X				X			X	
Whiteside	X				X			X	
Will			X			X			X
Williamson			X			X		X	
Winnebago			X			X			X
Woodford	X				X			X	
6-A		X			X			X	
6-B			X			X			X
6-C			X			X			X
7-A			X			X			X

Table A16: HPAs classified by projection category based on CIM-0, CIM-3 and OMAI 2008-2013 projections (continued)

HPA	CIM-0			CIM-3			OMAI		
	Appropriately Supplied	Under supplied	Over supplied	Appropriately Supplied	Under supplied	Over supplied	Appropriately Supplied	Under supplied	Over supplied
7-B		X			X				X
7-C		X				X			X
7-D		X				X		X	
7-E		X		X				X	
Alexander/Pulaski		X				X		X	
Boone		X				X		X	
Brown/Schuyler		X			X				X
Bureau/Putnam		X				X			X
Calhoun/Pike		X			X				X
Coles/Cumberland		X			X			X	
Edwards/Wabash		X				X			X
Gallatin/Hamilton/Saline		X			X			X	
Hardin/Pope		X		X				X	
Henderson/Warren		X				X			X
Johnson/Massac		X		X				X	
Marshall/Stark	X					X		X	
Morgan/Scott		X			X				X

Figure 3: Year of Disability-free life (YDFL) as percentage of Life Expectancy at Birth and at Age 65 years for Both Sexes in Illinois counties, 2010



Illinois Counties' FIPS Codes and Names											
1 Adams	23 Clark	45 Edgar	65 Hamilton	85 Jo Daviess	105 Livingston	125 Mason	145 Perry	165 Saline	185 Wabash		
3 Alexander	25 Clay	47 Edwards	67 Hancock	87 Johnson	107 Logan	127 Massac	147 Piatt	167 Sangamon	187 Warren		
5 Bond	27 Clinton	49 Effingham	69 Hardin	89 Kane	109 McDonough	129 Menard	149 Pike	169 Schuyler	189 Washington		
7 Boone	29 Coles	51 Fayette	71 Henderson	91 Kankakee	93 Kendall	111 McHenry	131 Mercer	151 Pope	171 Scott	191 Wayne	
9 Brown	31 Cook	53 Ford	73 Henry	95 Knox	97 Lake	113 McLean	133 Monroe	153 Pulaski	173 Shelby	193 White	
11 Bureau	33 Crawford	55 Franklin	75 Iroquois	95 Kossuth	97 La Salle	115 Macoupin	135 Montgomery	155 Putnam	175 Stark	195 Whiteside	
13 Calhoun	35 Cumberland	57 Fulton	77 Jackson	99 LaSalle	101 Lawrence	117 Madison	137 Morgan	157 Randolph	177 Stephenson	197 Will	
15 Carroll	37 DeKalb	59 Gallatin	79 Jasper	99 La Salle	101 Lawrence	119 Madison	139 Moultrie	159 Richland	179 Tazewell	199 Williamson	
17 Cass	39 DeWitt	61 Greene	81 Jefferson	103 Lee	103 Marshall	121 Marion	141 Ogle	161 Rock Island	181 Union	201 Winnebago	
19 Champaign	41 Douglas	63 Grundy	83 Jersey			143 Peoria	163 St. Clair	183 Vermilion	203 Woodford		
21 Christian	43 DuPage										

Data Source: Illinois Department of Public Health and Illinois Health Facilities and Services Review Board; Certificate of Need Population Projections Project, 2014